

CURRICULUM VITAE

Morten Garbøl Franck
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Senior Software Developer (Java/.NET)

Senior Java and .NET developer with additional experience as **Scrum Master, architect, and technical project manager** for projects/teams of 5-10 people.

Furthermore, experience as **team lead, tester and supporter**. Strong verbal, organizational, interpersonal and communication skills.

More than 13 years of experience, 8 of which as a consultant, 3 years part-time. Most years spent in **telecommunications** (Telenor, Cybercity, Tele2) but have spent the last couple of years in **finance** (Nordea, PFA). Also have experience in the health sector (WHO).

Technologies primarily used: Java, Java EE, Tomcat, .NET, C#, VB.NET, SQL, web services, JBoss, SOA, workflows, Oracle, PL/SQL, Linux, SQL Server, Eclipse, Visual Studio, Subversion, Linux, git.

For the last couple of years, on the side, using the MEAN stack (MongoDB, Express, AngularJS, Node.js), mostly on the backend, and git (med Github) for version control to build a web application that makes ebooks (EPUB). Have also gained more experience with CSS and XSLT.

My greatest strengths are my drive and motivation. I am highly organized and work in an analytical and structured manner allowing me to translate complex business requirements into realistic designs and implementations.

Specialties: Liaison between technical, e.g. developers and testers, and non-technical staff, e.g. product managers or customer service representatives, organizational skills, planning, communication skills, pragmatism.

PERSONAL PROFILE

I possess a great number of skills within computer science and the it industry. My skills enable me to take on different roles within a project/team, e.g. a developer, architect, team lead, bug-fixer, supporter, test coordinator, configuration manager and technical project manager.

I am able to provide insight into business processes and have excellent communication skills which qualify me to work with everyone from programmers to upper management. Some of my most important characteristics are:

- Highly skilled and very versatile.
- Extremely organized.
- A fast learner and quickly able to adapt to changing conditions.
- Flexible and able to function both as a team leader and a team player.
- Responsible and dedicated to both my employer and to their customers.
- Easy to work with.
- Articulate and able to express complex problems in simple terms.
- Enthusiastic and motivated approaching any task.
- Confident in making hard and important decisions.
- Open, positive and honest.

Personal web site: skyfer.dk

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PROJECTS & RESPONSIBILITES

Consultant for Untangle ApS @ Nordea Markets (2013-)

Project description	<p>Part of the Counterparty Risk IT team in Capital Markets IT implementing feature requests and bug fixes for the Counterparty Credit Risk department and architecting projects for various other departments. My main responsibilities are:</p> <ul style="list-style-type: none">• Building common Java components for batch programs, web services and web GUIs.• Building new applications/services with these components.• Building Spring web services on Tomcat• Migrating PL/SQL applications to Java.• Setting up processes and programs for automated test and deployment to support continuous delivery.• Documenting principles, guidelines, frameworks, tools and much more in Confluence.
Technologies used	<p>Java, Java EE, Tomcat, Spring (Spring Framework and Spring Web Services), WSDL, SoapUI, JAXB (XJC), XJB, Hibernate/JPA and JDBC, Maven, git, Eclipse, Oracle (PL/SQL), Sql*Plus, JMS, ActiveMQ, Oracle JMS (OJMS/Oracle AQ), the Atlassian suite (JIRA, Confluence, Stash (including the REST API) and Bamboo), ActivePivot 5 (and ActivePivot Live 3), GWT, .NET 4 (file writer module), Windows Server 2012, perl (OpenGrok script), JNI (jni4net), SPNEGO/Kerberos, XMLUnit, JMX, troubleshooting with Visual VM</p>
Roles on the project	Senior developer
Contact person	Team lead: Ole B. Jørgensen

Consultant for Untangle ApS @ Telenor (2012-2013, 6 months)

Project description	<p>An ongoing project (agile team) implementing feature requests and bug fixes for the E-Business department. My main responsibilities were:</p> <ul style="list-style-type: none">• Streamlining the sprint process with the Telenor release process.• Minimizing bureaucracy in the interaction with the non-agile parts of the organization and minimizing disturbances.• Maturing the team and documenting various procedures.• Further establishing and fine-tuning the agile process and tools.• Performing monthly configuration management tasks, such as deployment of JBoss and WebLogic middleware to keep the team's test environment up-to-date.• Performing analysis, design and development tasks as previously done on the team (see below).
Technologies used	<p>JBoss, BEA WebLogic, .NET, C#, Oracle, SQL Server, Perforce, Windows Server 2003, IIS, Microsoft Commerce Server, Navision, Unix, Eclipse, Visual Studio 2008, Trello, Google Drive/Docs</p>

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Roles on the project	Team lead, Scrum Master and senior developer
Contact person	Head of department: Michael Dorph Jørgensen

Consultant for Untangle ApS @ Telenor (2012, 6 months)

Project description	An ongoing project (agile team) implementing feature requests and bug fixes for the E-Business department. My main responsibilities were: <ul style="list-style-type: none">• Performing BEA WebLogic and JBoss analysis.• Implementing feature requests and bug fixes in a large part of the Telenor IT stack, e.g. .NET 3.5 (C#), Tridion CMS, SQL Server, XSLT, Microsoft Commerce Server, TeamCity and Mercurial.• Acting as co-team lead to help establish and document an agile process, e.g. using Google Spreadsheets, online planning poker and Trello.
Technologies used	JBoss, BEA WebLogic, .NET, C#, Oracle, SQL Server, Perforce, Windows Server 2003, IIS, Microsoft Commerce Server, Navision, Unix, Linux, Maven, ant, Jenkins, Eclipse, Visual Studio 2008, Tridion CMS, XSLT, TeamCity, Mercurial, vi, Trello, Google Drive/Docs
Roles on the project	Senior developer, team lead
Contact person	Head of department: Michael Dorph Jørgensen

Co-founder of Scripler IVS (2012-)

Project description	Chief Technical Officer, developer and Scrum Master in Scripler (www.scripler.com). My main responsibilities are: <ul style="list-style-type: none">• Managing the development team• Technical sparring towards the rest of management• Development of the web application• Scrum Master for the DEV and BIZ teams
Technologies used	MEAN stack (MongoDB, Express, AngularJS, Node.js), EPUB, Mongoose, mocha, HTML, CSS, XSLT, OAuth, Django, operational transformation (OT), git, Github, WebStorm (IntelliJ), nginx, Linux, MailChimp (Mandrill)
Roles on the project	CTO, developer
Contact person	CEO: David Walther Birk

Consultant for Untangle ApS @ Telenor (2012, 4 months)

Project description	The purpose of the project was to migrate workflows from BEA WebLogic to JBoss 5. My main responsibilities were:
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	<ul style="list-style-type: none">• Migrating BEA WebLogic workflows to JBoss 5 services and workflows.• Writing unit tests with Mockito and integration tests.• Reviewing Maven build files.• Configuring Jenkins build server jobs.
Technologies used	BEA WebLogic, JBoss, Mockito, Jenkins, workflows, Perforce, Maven, unit tests, integration tests, Unix, Eclipse
Roles on the project	Senior developer
Contact person	Project Manager Jens Bang Mathiasen

Co-founder of Maitri SMBA (2011-2012 , 2 years)

Project description	The purpose of the project was to establish the it collective Maitri SMBA , including establishing: <ul style="list-style-type: none">• Establishing company structure (or intended lack thereof), including autonomous work and project groups.• Formalizing decision processes.• Formalizing meeting processes.• Creating extensive Google Docs/Drive structure.
Technologies used	Google Docs/Drive
Roles on the project	Co-founder
Contact person	Spokes person: Kasper Kari

Consultant for Untangle ApS @ Telenor (2011, 1 year)

Project description	The purpose of the project was to provide the IT platform for the company's new core network infrastructure. My main responsibilities were: <ul style="list-style-type: none">• Performing analysis and design, i.e. writing inception, specification and architectural design documents using Enterprise Architect.• Unit and integration test and documentation• Implementation of a perl script to apply a configuration to a Juniper MX router using Expect.• Implementation of .NET COM Interop assembly and VB6 client.• Implementation of components in e.g. VB.NET, C# and PL/SQL in the company's OSS, BSS and provisioning systems. See previous projects for more detail.
Technologies used	Enterprise Architect, unit and integration test, documentation, perl, Expect, Juniper MX, .NET COM Interop, VB6, VB.NET, C# and PL/SQL, Eclipse, Visual Studio 2005, Perforce

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Roles on the project	Senior developer, architect, test coordinator, technical project manager
Contact person	Project Manager: Michael Borup

Consultant for NeoConsult A/S @ PFA Pension (2010, 1 year)

Project description	<p>The purpose of the project was to implement a new version of PFA's self-service portal. My main responsibilities were:</p> <ul style="list-style-type: none">• Implementation of various core functionality in a GWT front-end framework, e.g. adjustments to the custom-made MVP framework.• Design and implementation of various components, e.g. widgets, to be used in the framework.• Implementation of requirements for a specific instance of the self-service portal.• Proof-reading requirement specifications and refining requirements in collaboration with the product owners.• Liaison between developers, testers and business specialists.• Optimizing and documenting release process.• Restructuring documentation wiki.
Technologies used	GWT, MVP framework, web services, Java, Maven, ClearCase, Eclipse
Roles on the project	Developer, team lead, technical project manager
Contact person	Project Manager: Kaare Kaaber

Consultant for NeoConsult A/S @ Telenor (2009, 1 year)

Project description	<p>The purpose of the project was to provide IPTV over VDSL2 technology. Assigned to the IT part of the project, my main responsibilities were:</p> <ul style="list-style-type: none">• Implementation of new ESB services in JBoss using JPA, e.g. a mail sending service using JavaMail.• Writing TestNG unit tests.• PL/SQL scripts to create and configure products in the billing system.
Technologies used	IPTV, VDSL2, JBoss, ESB, JPA, JavaMail, TestNG, PL/SQL, Eclipse, Linux, Perforce
Roles on the project	Senior developer
Contact person	Project Manager: Troels Verholt

Consultant for NeoConsult A/S @ Telenor (2008, 1 year)

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Project description	<p>The purpose of the project was to provide Internet access to customers through wholesale DSL on ADSL2+ and VDSL2 technologies. Assigned to the IT part of the project, my main responsibilities were:</p> <ul style="list-style-type: none">• Performing analysis and design, i.e. writing inception, specification and architectural design documents.• Implementation of changes to existing projects in JBoss, including EAR, EJB, ESB and jBPM (jPDL) projects.• Implementation of new object-oriented PL/SQL types and packages.• Implementation of changes to existing Oracle work flows.• Implementation of changes to GUI components and other interfaces in VB.NET. <p>Within the project, an agile software development method similar to Scrum was used.</p>
Technologies used	ADSL2+, VDSL2, JBoss, EAR, EJB, ESB, jBPM, jPDL, Eclipse, PL/SQL, Oracle, workflows, VB.NET, Visual Studio 2005, Perforce
Roles on the project	Senior developer, architect
Contact person	Project Manager: Michael Borup

Consultant for NeoConsult A/S @ Tele2 (2005-2007, 3 years)

Project description	<p>An ongoing project to build and maintain an order workflow system built as a SOA. The system's primary purpose is to automate the business processes. My main responsibilities working with OWS were:</p> <ul style="list-style-type: none">• Development and maintenance in Java, perl, XML, Mason, Axis web services, Ant, JUnit, Subversion, Oracle, PostgreSQL on Linux/Unix servers.• Analysis of business processes and writing design specifications and code design.• Customer meetings, including customer training and handover.• Operational tasks such as system configuration and release management.• Technical and high-level documentation.
Technologies used	SOA, workflows, Java, perl, XML, Mason, Axis, web services, ant, JUnit, Subversion, Oracle, PostgreSQL, Linux, Unix, putty, RT, emacs, vi
Roles on the project	Developer, supporter, tester, team lead, configuration manager
Contact person	CEO: Rune Bundesen

World Health Organization (2002-2005, 4 years - part-time position)

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Project description	<p>An ongoing project to build a completely database driven web site, Central Information System for Infectious Diseases (CISID), offering advanced query and data entry functionality through an intuitive tab-based user interface. My main responsibilities working with CISID were:</p> <ul style="list-style-type: none">• Development of front-end, business logic, back-end and database layer in ASP.NET, C# (and VB.NET) and T-SQL on a Microsoft SQL Server and IIS web server.• Development of a data warehouse allowing real-time pivoting of query results.• Customer meetings, including customer training and handover.• Data migration from legacy systems. <p>The site can be found at http://data.euro.who.int/CISID.</p>
Technologies used	.NET, ASP.NET, C#, SQL Server, T-SQL, Windows Server 2000, IIS, Subversion, Mono, data mining
Roles on the project	Developer, architect
Contact person	Project Manager: Mark Falvo

CERTIFICATIONS

Certification Id	Certification Name	Period
310-055	Sun Certified Programmer for the Java Platform, Standard Edition 5.0	2008
310-091	Sun Certified Business Component Developer for the Java Platform, Enterprise Edition 5	2009

EDUCATION

Degree	Name of School	Period
M.Sc. in computer science from the Internet and Software Technology program.	IT-University of Copenhagen	2002-2005
B.Sc. in computer science	Roskilde University	2001-2002
Diploma Course in Advanced Computer Studies	Næstved Handelsskole	1998-2000

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APPENDIX

IT-University of Copenhagen (ITU)

Selected courses

- **Advanced object oriented programming:** Design patterns, ant, JUnit etc.
- **Functional design and programming:** SML, abstract data types, higher order functions, parsers etc.
- **Algorithms and data structures:** heaps, trees, hashes, searching, sorting, amortized analysis, dynamic programming, graphs etc.
- **Advanced database technology:** implementation of relational operations, indexing, data mining etc.
- **Web programming:** XML, MySQL, PHP, XSLT, WML, HTML, CSS, JavaScript etc.
- **Concurrent systems:** Petri nets, critical regions, atomic actions, semaphores, monitors etc.
- **Computer security:** network security, symmetric and asymmetric encryption, authentication etc.

Selected projects (in Danish):

- **Semaphores and monitors:** ensuring liveness and avoiding deadlock.
- **Web server:** development of a web server in Java.
- **E2D2:** development of a chess game in J2ME.
- **DES:** development of the DES encryption algorithm in C++.

In my master's thesis I researched anonymity in peer-to-peer networks and designed and implemented an anonymous, low-latency, peer-to-peer file storage system. The thesis can be downloaded from <http://skyfer.dk/Accordion.pdf>.

For full details and grades, please see my academic record at <http://www.itu.dk/people/skyfer/ITU-record.pdf> (The Danish 13-Point grading scale is described at <http://www1.itu.dk/sw507.asp>).

Roskilde University

Selected courses

- **Databases:** normalization, relational algebra, query processing etc.
- **Distributed systems:** concepts, IPC, network programming in C and Java etc.
- **Statistics:** working with basic models.
- **Physics:** in a societal and philosophical aspect.
- **Geography:** change detection using GIS (ArcView).

Selected projects (in Danish):

- **Bachelor's project:** .NET: an analysis, review and practical use of .NET.
- **Java 3D Simulation:** development of a simple 3D engine in Java.
- **Artificial Intelligence in a Philosophical Perspective:** is human consciousness computable?

Advanced Computer Studies

Selected courses

- General Computer Hardware Knowledge
- Object Oriented Programming
- Complex Programming
- Business Design & Control
- Resource Sharing and Network
- System Development
- System Development Methods
- Linux