Magnus Lyckå, Agile Software Development Consultant *June 2019*

Gavelåsvägen 20, 433 31 Partille, Sweden • +46 70 582 80 65 • magnus@thinkware.se • se.linkedin.com/in/lycka

---

Summary

Software Developer, Scrum Master, Agile Coach, DevOps
SPECIALTIES: Agile and Lean Software Development; Analysis, Design & Programming; Python, Go, Javascript & SQL; Databases; Continuous Delivery; Cloud Solutions; Coach & Mentor; Process Improvement; Problem Solving; Software Quality & Reliability

Software developer focused on business needs and opportunities. Combines focus with good peripheral vision. Enjoys helping peers, teams & organizations get better at what they do.

Engineered a variety of products and services from electronics in satellites to government software systems.

Experience

Thinkware AB
GÖTEBORG, SWEDEN

Consultant & Owner *Jan '98 – Present*
Agile Software Development Consultant. *See below for assignments.*

Volvo Cars
GÖTEBORG, SWEDEN

Systems Architect — Continuous Integration Pipeline *Jan '19 – Present*
Development of tool chain for Continuous Integration, Test & Delivery of automotive software.
Javascript, Python, MongoDB, RabbitMQ, Docker, Kubernetes, Gerrit, Git, Artifactory, Ansible, Atlassian Jira & Confluence, MS Azure, Linux.

SKF AB
GÖTEBORG, SWEDEN

Senior Devops Consultant & Software Developer *Apr '18 – Oct '18*
Development of cloud based machine health monitoring & analysis system.
Go, PostgreSQL, Amazon Web Services (Lambda, API Gateway, Cloudfront, RDS, DynamoDB), JavaScript, ReactJS, Neo4j, DataDog, Azure DevOps, Docker, Git.

Pagero AB
GÖTEBORG, SWEDEN

Build Automation Expert & Scrum Master in DevOps Team *Sep '15 – Mar '18*
Development of Continuous Delivery Pipelines with GoCD, and Infrastructure As Code with Ansible. Developed in-house and open source tools in Python & Java.
GoCD, Ansible, Docker, Kubernetes, Python, Flask, Java, Jenkins, Linux, OS X, Git, Jenkins, Nexus, SBT, Maven, TextTest, Scrum, TDD.

Aitellu Technologies AB
GÖTEBORG, SWEDEN

Software Engineer & Scrum Master in DevOps Team *Feb '15 – Jun '15*
Development of REST backend and continuous deployment platform for web service for structured insight analytics. Agile coaching and continuous improvement.
Python, Flask, Flask-Security, MongoDB, Elasticsearch, Amazon Web Services, SaaS, Linux, OS X, Git, Jenkins, Sonar, GoCD, Saltstack, Twingly, Gnip, Scrum, TDD, Continuous Delivery.

Jeppesen Systems AB (Boeing)
GÖTEBORG, SWEDEN

Scrum Master & Developer in Data Integration Product Team *Oct '13 – Oct '14*
Design and development of products used to integrate Jeppesen software with customer legacy systems and act as backend for Web Services. Coached scrum team to become more productive, predictable and focused, and to raise software quality and reduce technical debt.
Python, C++, Java & Rave development in Linux. QPID, ActiveMQ, Zookeeper, JBoss, Apache Camel, XML, WSDL, XSD, SOAP, PyCharm, Maven, CMake, Mercurial, TextTest, Jenkins, Oracle, Jira, SWIG, Scrum, ATDD, TDD, Pair programming, Continuous Integration.

Senior Software Quality Engineer *Nov '08 – Sep '13*
Led the Software Quality Assurance work as RUP was introduced at Jeppesen Systems. Performed Project & Process Assessments, Reviews and Inspections. Developed tools and dashboards to visualize software quality and problems. Established Standards for Software Development Quality & Pioneered Continuous Improvement. Contributed to Agile Transformation and Innovation Management.
Microsoft Office, Confluence, Jira, Linux, Sonar, Python, Fabric, Graphviz. RUP, Agile, Lean, Scrum.

Team Leader Integration & Verification *Jan '07 – Dec '08*

Lead a team of system administrators and technical testers, and also worked a lot hands-on. Established and managed dedicated, production like hardware and infrastructure for system testing. Initiated and managed systematic and automated testing, measurement and reporting of non-functional requirements (performance, reliability etc).

Red Hat Enterprise Linux, OpenBSD, Oracle, Sun Grid Engine (now UGE), Python, XML-RPC, AutoIt, CVS, MediaWiki, Bugzilla, Confluence, Jira, HTML.

Software Engineer, Database and Data Integration Team *Feb '05 – Dec '06*

Developer of database API and legacy integration gateway for mission critical systems in major airlines. C++ & Python programming in Linux. Oracle, PostgreSQL, Sun Grid Engine, TextTest, CVS, Bugzilla.

Försäkringskassan SUNDSVALL, SWEDEN

Software Engineer, Tuxedo Services in C++ on Solaris *Aug '98 – May '00, Aug '04 – Dec '04*

Designed and implemented back-end business logic for social welfare systems. Also did configuration management work etc. This was the largest component based software development project ever in Sweden at the time.

C++, Python, XML, Rational Rose, Tuxedo, DB2, ClearCase, Solaris, Windows XP, RUP.

Statens tjänstepensionsverk SUNDSVALL, SWEDEN

CM , DBA, Technical support for Test Group *Aug '03 – May '04*

Implemented tool for efficient software delivery. Developed tools for software dependency analysis, regression testing and extraction of test data from production environment. Developed new tools for database export and import. Worked as Configuration Manager and Database Administrator. Introduced new ways of automating repetetive DBA tasks with Python.

Python, SQL, and Excel/VBA programming in Windows XP. DB2, Unisys/JCL, Borland StarTeam, RUP.

Norrlands Universitetssjukhus UMEÅ, SWEDEN

Software Developer. Excel/VBA, SQL & Python *Apr '03 – Nov '03*

Feeding, nurishment and growth of neonatal patients was tracked in an Excel application. I redesigned it to make it maintainable and multi-user capable. All patient data was moved from the Excel spreadsheet to a Microsoft Jet database.

Programming in Excel/VBA, SQL and Python. Windows & MS Jet.

Systematik AB STOCKHOLM, SWEDEN

Software Developer, Python, wxPython & ZODB *Oct '01 – Nov '03*

Developed Windows application SYSTEMSPECIFYER for analysis and design of complex systems, e.g. nuclear waste management. Based on Christer Jäderlund's SYSTEMATRIX (SMX) concept. Programming with Python, wxPython GUI, and ZOBD object database in Windows.

Siemens Elema AB STOCKHOLM, SWEDEN

ClearCase expert *May '01 – Aug '01*

Analyzed and improved performance of build system.

ClearCase, ClearMake/GnuMake, C++, Perl, Python, Graphviz, Windows 2000.

Frontec Business Integration GÖTEBORG, SWEDEN

Programmer *May '96 – Dec '97*

Development of case management systems for municipal government. SOFIA was a client/server system with a Windows client we built using Jyacc Application Manager (JAM) and an SQL server. Roughly $\frac{1}{3}$ of Swedish municipalities used our products.

JAM, SQL, Perl, Windows NT, Oracle, Informix, Gupta SQLBase. Solaris, AIX, Novell.

Saab Space AB GÖTEBORG, SWEDEN

Design Engineer *Jan '91 – Apr '96*

Design of digital electronics for several satellites. Verification of on-board software for SOHO spacecraft. System Administration of Unix CAE Workstations. Product owner for component management system. ApolloOS, SunOS/Solaris, HP-UX, Linux, Windows. Mentor Graphics, OrCad. Ingres. Shell Script, C, Borland Pascal, VHDL. Failure Mode, Effect and Criticality Analysis, Parts Stress Analysis. Prototyping.

Electronics Test Engineer *Aug '86 – Dec '90*

Qualification & Acceptance Testing of electronic units and sub-systems in Telecommand, Telemetry and Control Systems for satellites. Redesign of test equipment for the Ariane IV launcher On Board Computer to enable test-automation. (Turbo Pascal, GPIB & RS-232.)

One year full time before M.Sc. studies & summer holidays.

Education

Chalmers University of Technology
Göteborg, Sweden

Master of Science in Electrical Engineering (Civilingenjör Elektrotekniklinjen) *1987 – 1990*
Focus on computer engineering and digital electronics. $4\frac{1}{2}$ year curriculum completed in $3\frac{1}{2}$ years.

Courses

Coursera
Online Courses

Machine Learning *2015*
Stanford University

R Programming *2014*
Johns Hopkins University

The Data Scientist's Toolbox *2014*
Johns Hopkins University

Technology Commercialization, Part 1: Setting up your Idea Filtering System *2014*
Mark Wilson, University of Rochester

Programming Mobile Applications for Android Handheld Systems *2014*
Dr. Adam Porter, University of Maryland, College Park

Functional Programming Principles in Scala *2013*
Martin Odersky, École Polytechnique Fédérale de Lausanne

MongoDB University
Online Courses

M102: MongoDB for DBAs *2015*
Dwight Merriman

M101P: MongoDB for Developers *2014*
Andrew Erlichson

Cedur AB, Scrum.org
Göteborg, Sweden

Professional Scrum Master I *2014*
Henrik Berglund

Jeppesen (Boeing)
Göteborg, Sweden

Boeing Program Management Best Practices *2012*
Martina Mauzy et.al.

CMMI Introduction *2010*
Heather Oppenheimer

Mountain Goat Software, ScrumAlliance
Oslo, Norway

Certified Scrum Master *2011*
Mike Cohn

Maria Bondestam Organisationskonsult AB
Göteborg, Sweden

Leader Development Program *2008*
Maria Bondestam

Oracle
Göteborg, Sweden

Oracle 10g DBA *2007*
David Fritsch

Oracle 7 DBA *1996*
Stefan Lindblad

Umeå University
Umeå, Sweden

Object Oriented Programming *1997*

Ingres Sverige AB
Stockholm, Sweden

Ingres DBA *1993*

Chalmers University of Technology
Göteborg, Sweden

Operating Systems *1991*
Design of operating systems. Schedulers, file systems etc.

Skills

Agile & Lean ways of working: I practice and coach agile methods such as Scrum, Extreme Programming & Kanban. I also use Lean practices, such as Value Stream Mapping, Root Cause Analysis with A3, Continuous Improvement, Waste Elimination & Rapid, High Quality Workflows. I've also worked with Innovation Management and Agile Transformation.

I do and coach Object-Oriented Analysis, Design & Programming, Pair Programming, Mob Programming, Test-Driven Development, Refactoring, Infrastructure As Code, Continuous Integration & Continuous Delivery etc.

Programming: Mostly in in Python, Go, SQL, C & C++. Also shell scripting, JavaScript, Java, Pascal, Visual Basic/VBA, R, Scala, Perl, Rave, Objective-C etc.

Databases: Lots of development and some DBA work with PostgreSQL, Oracle, DB2, Ingres, & Informix. Lately also DynamoDB, Neo4j, MongoDB & Elasticsearch. Previous experience with ZODB, MySQL, Firebird SQL, SQLite, MS Access/Jet, Gupta SQLBase & LevelDB.

Middleware & Frameworks: Developed with middleware & frameworks such as Flask, ActiveMQ, QPID, ZeroMQ, Tuxedo, IBM MQ Series, ZooKeeper, Sun/Univa Grid Engine, Apache Camel & Prolifics/JAM.

Markup, Formats & Protocols: Comfortable with e.g. HTML, CSS, XML, XSD, DTD, WSDL, YAML, JSON, SIE, HTTP, XML-RPC, SOAP & UML.

Software Engineering Tools: Used Make, CMake, Maven, SBT, Jenkins, GoCD & Azure DevOps for build automation and Continuous Integration & Delivery. I worked as developer and CM with Git (also hosted on github & bitbucket), Mercurial, CVS, ClearCase & StarTeam. Jira & Bugzilla for issue management. Prefer to develop in PyCharm but also used Eclipse, Vim, Sublime Text, Visual Studio etc.

Software Test, Automation & Measurement Tools: Automate & document tests & measurements with tools such as xUnit, Sonar, TextTest, AutoIt, Apache JMeter & Locust.io

Virtualization, Clouds, DevOps & System Administration: I've developed and managed Software as a Service (SaaS) on Amazon Web Services, Digital Ocean and on local networks, using tools such as VirtualBox, VMWare, KVM, Vagrant, Docker, Kubernetes, Ansible, SaltStack, Fabric, ssh, Nagios & Munin.

Operating Systems: Mainly developed software professionally for Unix/Linux (Ubuntu, Debian, Raspbian, RedHat, CentOS, SuSE, Solaris/SunOS, HP-UX etc), but also for Windows (3.0 – 10), Mac OS X & OS/390. Experience as Unix System Administrator. Have done hobby programming on Android & IOS.

Business Administration: Accounting, Invoicing, Taxes, Salary Administration etc, using e.g. Visma eEkonomi, XOR Compact, Microsoft Excel, Google Docs, SIE, PDF/ReportLab & Python.

Office Software etc: Documents, visualizes & collaborates with e.g. Microsoft Office, Libre Office, LaTeX, PDF/ReportLab, Confluence, MediaWiki, Slack & Graphviz.

Social Media Tools & Sources: Worked with social media like LinkedIn, Facebook, Twitter & Google+, and used social media data providers like Twingly & Gnip.

Natural languages: Swedish *(mother tongue)*, English *(full professional proficiency)*, Norwegian, Danish *(limited working proficiency)*, and Lithianian *(elementary proficiency)*.

Interests

Family, Photography, Traveling, Home Improvement, Nature, Reading, Music.