

Consultant Profile

Daniel Lidström

Daniel is an experienced consultant within software development. He has worked since 2003 with product development, from design, implementation, and deployment to production monitoring. Daniel combines leadership skills with deep knowledge of modern web development. He has created many exceedingly productive development environments by effective use of test-driven development, modern design patterns, code review, tooling, and by investing heavily in team members. This enables the team to continuously and predictably deliver working software, tested and on time. Daniel is regarded as dedicated, structured, and creative. He has great communication skills, written and spoken, and is a very valuable team member.

Skills

- Leadership Qualities
- Software Development (.NET, ASP.NET, WebAPI, JavaScript, HTML5)
- Test Driven Development (BDD/TDD)
- Design Patterns (GoF, SOLID)
- SQL Server (T-SQL)
- Git, TeamCity, SVN
- Scrum, Kanban, SAFe

Assignments and Dates

System Architect - H&M 2017-2019

Technical responsibility of a business critical system used for planning the assortment. Responsible for leading and coaching of 15 developers through knowledge sharing, laying a technical foundation, and ensuring the solution is aligned with business needs (functional and non-functional). Documented and communicated technical solutions using PlantUML (ER and sequence diagrams, etc), developed defect heatmaps to guide enabler work, and developed Monte Carlo-based estimation method. Defined and implemented common logging format for end to end business process monitoring over several systems using Splunk Glass Tables.

TECHNOLOGIES: C# F# Microservices Azure CQRS RabbitMq MassTransit Angular
Sql Server Jira Splunk Octopus Deploy GIT Monte Carlo Simulation
SAFe

LinkedIn

- se.linkedin.com/in/daniellidstrom

Educational Qualifications

- M.Sc. Computer Science
- Upper Secondary Technical School

Software & Platforms

- Visual Studio 2017
- .NET Framework/.NET Core
- ASP.NET MVC/WebAPI/Core
- HTML5/JavaScript/CSS
- T-SQL/EntityFramework
- ReSharper, StyleCop, NuGet
- Internet Information Services (IIS)
- TeamCity, GitHub, GitLab, Octopus Deploy
- C/C++ Boost/STL

Databases

- MS Sql Server 2016
- MySQL/PostgreSQL
- Oracle 11g
- MongoDB/RavenDB

Pet Projects (Open Source)

- <https://github.com/dlidstrom>
- <https://snittlistan.se>
- <https://minaglosor.se>
- <https://krysshjälpen.se>

Language Skills

- Swedish
- English
- Persian - beginner

Free Time

- League Bowling
- Family Life

Technical Reviewer - Transdev Feb 2017

Performed a technical review of a booking system. The resulting report was intended to guide business with deciding on future feature requests and to strengthen their position when negoti-

ating with the booking system software vendor.

TECHNOLOGIES: C# ER Modeling Code Review

Software Developer Internet Commerce - Tradera 2016-2017

Developed frontend and backend functionality for new major feature Klasskassan campaigns. Also identified and developed necessary back office functionality for managing Klasskassan campaigns and related charities to simplify and speed up repetitive customer service work. Implemented several responsive web components that scale appropriately from mobile to desktop screens. Worked with my team to better use Kanban and speed up delivery process. Held presentation to entire development team on how to use Git effectively in a large team setting with offshore coworkers and also presented how to implement an effective software framework for business rules and informative logging. Investigated and verified usefulness of code search functionality of new version of GitLab code server to aid in navigating a very large code base. Started initiative to document internal acronyms and business rules in Wiki format.

TECHNOLOGIES: C# CQRS Git MongoDB CSS React Redux RiotJS

Lead Developer Telecom - Com Hem 2015-2016

Responsible for a development team working with ITIL processes (network/customer incidents, field service integration, and more). I work closely with process leaders (business reps) to plan and coordinate projects and development tasks. I organize scrum meetings and effective development processes using JIRA. I am modernizing legacy platforms by moving from COM+ into modern .NET. I am establishing continuous deployment using WiX and MSI from what was previously manual copying steps. I introduced a common monitoring convention using Windows EventLog and Grafana. I am also coaching junior developers to get them started with TDD and basic database design principles.

TECHNOLOGIES: C# Wpf NUnit Git WiX RabbitMq ServiceNow JavaScript PowerShell

Software Developer Retail Clothing - H&M 2012-2015

Development of internal web systems for a multinational retail company, with thousands of users. I have developed and maintained 8 distinct systems (4 from scratch). There is a large focus on usability and intuitive user interfaces coupled with performance requirements. Rapid application development is achieved using unit tests, code review, team work, automation, and close collaboration with product owners. I routinely perform code reviews, mentor other developers (Swedish and offshore), and work to create a highly productive environment. I am joint-organizer of and presenter in a JavaScript User Group, where we introduced and advocate AngularJS.

TECHNOLOGIES: ASP.NET MVC/WebAPI JavaScript/TypeScript AngularJS HTML5 MSMQ TeamCity PowerShell WiX CQRS Event Sourcing Offshoring

Software Developer Telecom - Qall 2012

Responsible for migrating a customer base from a legacy system to a new provider. Tens of thousands of customers and various types of phone subscriptions were moved, using MySQL as an integration point. Implemented an automated process that was tuned with unit tests to se-

cure intended behaviour. Dozens of business rules were identified by close collaboration with domain experts.

TECHNOLOGIES: MySQL Git TeamCity NUnit

Software Developer Insurances - Softronic 2011-2012

Service oriented system architecture with integration to external IT systems. Delivered a new solution for customer address updates. This resulted in a fault tolerant daily-run batch service that communicates with a web service at InfoTorg. Delivered several integrations with 3rd party insurance systems. This was done by reading Excel documents and a large refactoring was necessary. Unit tests were written to ensure existing functionality. Designed and implemented an interface for administering insurance conditions and terms documents. Took over responsibility for a portal where partners can register and manage bugs, requirements, and other types of issues. Issues were stored as work items within Team Foundation Server. New functions included reporting and viewing of hierarchical work items as well as improving the web design.

TECHNOLOGIES: ASP.NET WCF MS SQL Server COM+ TFS

Software Developer Realtime GPS Tracking & Monitoring - Gps-Gate 2010-2011

Developed a template based scripting language with support for conditional expressions to enable rapid customisation to mobile tracking units with new communication protocols. Designed and implemented integration with an address and location service based in Singapore. Responsible for migrating the code base from CVS to more modern tools. After an initial study, the distributed version control system Mercurial was chosen and members of the development team were educated in the new way of working. The team was able to work productively with much faster operations due to the distributed nature of Mercurial. Implemented continuous integration using TeamCity which resulted in faster and improved building of daily deliverables with no need for manual work.

TECHNOLOGIES: ASP.NET MySQL JavaScript Mercurial TeamCity

Technical Lead - Hexagon Machine Control 2009-2010

Embedded systems controlling heavy construction equipment for precise grade control. Worked in an international project, close with project management, developers, and testers. Performed pair programming, time estimates, and code reviews to be able to meet deadline. As a team effort, delivered 3-dimensional visualisation of AutoCAD road models, a new mathematical model of the blades of graders and integration with a number of 3rd party data formats. Daniel was appreciated by the team for his leadership, attitude, and positive mindset.

TECHNOLOGIES: Linux C++ Boost OpenGL

Software Developer Software for surveying and machine control applications - Hexagon Machine Control 2007-2009

Responsible for a C++ code base shared between multiple platforms. Delivered a mathematical road model using test driven development; a necessity to ensure correct calculations on several platforms. A significant optimisation work was performed to enable continuous measurement and calculations on platforms with minimal computing resources. Likewise, complex data structures were optimised to fit within the memory of portable devices. Techniques were used to

bridge platform independent code with APIs in Windows and Linux. This simplified development for the team and greatly simplified platform independent development. Daniel was part of the technical reference group where decisions were made regarding future development directions.

TECHNOLOGIES: C++ STL Boost MSXML CppUnit Windows Mobile Linux

Software Developer Making a compactor machine autonomous - Svensk ByggnadsGeodesi 2006-2007

Part of a research project aimed at making an autonomous 8 ton compactor machine. Implemented a communications protocol and the steering and speed control of the compactor machine. After a couple of test runs the compactor machine was able to receive directions from an asphalt machine, drive backwards and forwards by itself, following a path, and make a small turn when changing directions. Project was cancelled after proof of concept completion.

TECHNOLOGIES: C++ STL Boost Linux TCP/IP

Software Developer Office tools for surveyors and field surveying software - Svensk ByggnadsGeodesi 2003-2007

Responsible for developing functions for transmitting data to and from surveying instruments. Designed and implemented new features within the office suite. Parallel with development, took on a customer support role. Personal contact with key customers and the possibility to improve their working situation was both motivating and satisfying.

TECHNOLOGIES: C++ Boost MFC Microsoft.NET

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