



KARL A. DAHLGREN

Senior Backend Software Engineer

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EXPERIENCE

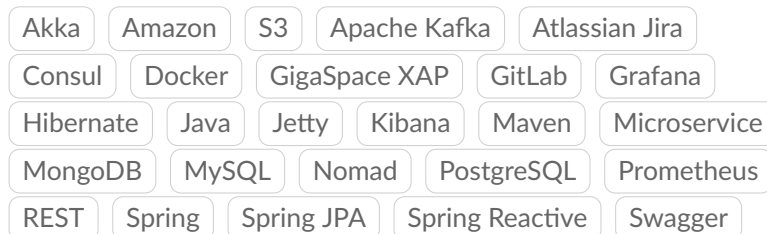
Backend Tech Lead

PriceRunner

Jun 2018 - Ongoing

Sweden

- Designed and developed backend solutions, oversaw development within multiple teams and plan new features and solutions together with product owners, stakeholders and other tech leads.
- Designed backend solution responsible for processing over 200 million price updates daily.
- Developed common libraries and solutions which improved response times and ease development. These solutions are used throughout the whole PriceRunner's backend platform.
- Represented PriceRunner in tech events and public speaking. Most notably, a speaker at the PriceRunner and GigaSpace Tech Event on the topic "How to Process Millions of Requests with Ever Changing Content Scaling Linearly".



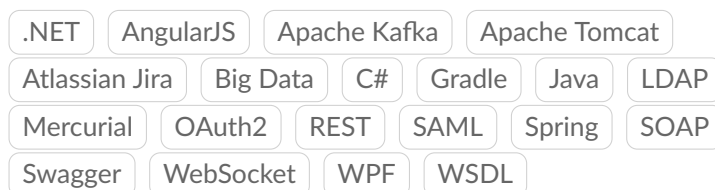
Software Architect and Backend Developer

Datawatch Panopticon Visual Analytics

Apr 2015 - Jun 2018

Sweden

- Implemented the next generation for the Panopticon Visualization backend solution. This includes designing, implementing and testing the backend solution.
- Involved in tier 3 technical support and traveled to visit many of our international customers in countries such as Canada and Netherlands.
- Traveled to India to lead training sessions with our consultants.



ABOUT ME

I'm a passionate software developer from Sweden with a penchant for open-source software. I'm the founder and lead developer for the open-source REST and SOAP mocking tool **Castle Mock**. Castle Mock is a web application that provides the functionality to mock out RESTful APIs and SOAP web services. Today, Castle Mock has more than a million downloads.

Additionally, I'm the founder and developer for the license discovery website **LicenseDiscovery.io**. LicenseDiscovery.io allow the user to search for Java dependencies to discover which licenses these dependencies and the transitive dependencies are licensed under.

Today, I work as a Backend Tech Lead for the leading shopping comparison site **PriceRunner**.

MOST PROUD OF



Open-Source

Founder and developer of Open-Source software Castle Mock with over a million downloads.



Tech Lead at PriceRunner

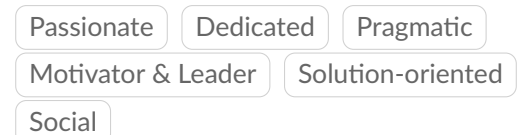
Design and implement software solution that process over 200 million offers every day.



License discovery

Help developers and companies all over the world to discover and collect a full set of open-source licenses used by their Java dependencies.

STRENGTHS



IT Consultant and Backend Software Engineer

Knowit

📅 May 2014 - Apr 2015 📍 Sweden and UK

- Consultant for a UK software company.
- Developed new system for a telecom company in Greenland.
- Team leader for the team responsible for the development of an enterprise service bus, ESB.

Java JBoss Jenkins Git Maven REST SOAP
Spring

IT Consultant

Netlight

📅 May 2013 - May 2014 📍 Sweden and Germany

- Consultant for a German bank.
- Did integration testing and coordination between the client and their international partners in one of the biggest projects that involved mobile payments in France.
- Designed and implemented custom testing tools to increase the testing efficiency.
- Daily communication and collaboration with our international partners.

Atlassian Jira Java Maven Mobile Payments REST
Spring

Amanuensis / Teaching assistant

Stockholm University - Department of Computer and System Science

📅 January 2011 - May 2013 📍 Sweden

- Teached, graded and conducted lectures in software development mainly in the subject of Java and Python, but also in other programming languages, such as C++ and C#.

C++ C# Java REST Python

PROJECTS

Castle Mock

Founder and Lead Developer

📅 2014 - Present

Castle Mock is a web application that provides the functionality to mock out RESTful APIs and SOAP web-services. This functionality allows client-side developers to completely mimic a server side behavior and shape the responses themselves for when writing and conducting integration tests.

Castle Mock is completely free and open source (Apache License 2.0).

Apache Tomcat CSS Docker GitHub Heroku
HTML Java JavaScript Jetty Maven MongoDB

LANGUAGES

Swedish ●●●●●

English ●●●●●

Chinese ●●●●●

EDUCATION

M.Sc. Computer Science

KTH Royal Institute of Technology

📅 2011 - 2013 📍 Sweden

Software Engineering of Distributed Systems

Thesis title: Context-dependent voice commands inspoken dialogue systems for home environments

B.Sc. Computer Science

Stockholm University

📅 2008 - 2011 📍 Sweden

Computer Science / Game Development

INTERESTS

📄 Coding
Open-Source development

🗡️ Fencing
Epee fencing

🎲 Rubik's Cube
Speedcubing 3x3 cube

🎮 Gaming

🧑‍🌲 Hiking and traveling

NPM React REST SOAP Spring Swagger
Travis CI WADL WSDL Yarn

LicenseDiscovery.io

Founder and Lead Developer

📅 2019 - Present

LicenseDiscovery.io is a webpage for discovering which license a Java dependency and its transitive dependencies are licensed under. The purpose of the webpage is to mainly help developers to get a better understanding of their dependencies and get a complete picture of what is include when depending on a Java dependency.

Antlr Amazon S3 CSS Docker GitLab Heroku
Hibernate HTML Java JavaScript Jetty Maven
MongoDB NPM PostgreSQL React Redis REST
Spring Spring JPA Yarn

Raccoon

Founder and Lead Developer

📅 2020 - Present

Raccoon is a command line search tool for Apache Kafka written in Go. The tool enables users to search and grep particular messages in a Kafka topic by providing a search query. Additionally, the tool also allows the user to tail a Kafka topic and filter messages based on a provided search query. Once finished, all matched Kafka messages could either be presented in the terminal or exported to a CSV file.

CLI Cobra Go Kafka