



# 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".

Akka Amazon S3 Apache Kafka Atlassian Jira  
Consul Docker GigaSpace XAP GitLab Grafana  
Hibernate Java Jetty Kibana Maven Microservice  
MongoDB MySQL Nomad PostgreSQL Prometheus  
REST Spring Spring JPA Spring Reactive Swagger

### 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.

.NET AngularJS Apache Kafka Apache Tomcat  
Atlassian Jira Big Data C# Gradle Java LDAP  
Mercurial OAuth2 REST SAML Spring SOAP  
Swagger WebSocket WPF WSDL

## ABOUT ME

I'm a software developer from Sweden. 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

Passionate Dedicated Pragmatic  
Motivator & Leader Solution-oriented  
Social

Backend Java REST Spring

## LANGUAGES

## 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

- Taught, 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

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

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## 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

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## 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