# CV – Johan Rask



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## Summary

I am a senior developer and architect with experiences from many business areas. I have many years of professional development with a background in Java backend development. In the last 8 years, I have shifted my focus to also include cloud architecture, big-data & devops. I have several years of daily work with Amazon Web Services with focus on infrastructure as code.

I enjoy projects where I can be involved on the complete software lifecycle (code-run-observe) with "true" devops mindset, "we build it – we run it".

## Employments

- 2017 – now : Flaps Down AB (Owner)
- 2017 – 2017 : Volvo Cars AB (Expert Architect)
- 2015 – 2016 : Sony Mobile Communcations (Senior Engineer)
- 2008 – 2015 : Jayway AB (Senior Consultant, Team Leader)
- 2007 – 2007 : Alfa Kommun & Landsting (Lead Java developer)
- 2003 – 2006 : Mogul Technology Center (Java developer)
- 2000 – 2002 : Kipling Mobile Business AB (Java developer)
- 1998 – 2000 : Ericsson Software Technology (Java developer)

## Projects

### Hands-on Architect at Handelsbanken (Aug 2017 – Present)

Building a Big Data platform for IT analytics – aka; real-time observability, search & drill-down, reporting, forecasting etc.

My tasks include:

- Infrastructure as code
- Automated deployment of all services with ansible to on-prem linux environment.
- Cluster design of our Kafka, Elastic and Hadoop cluster

- Data pipelines with Kafka, KSQL, Kafka Connect, Logstash & Apache Flink
- Development of our integration libraries to simplify collection of logs and metrics from external systems
- Monitoring setup (prometheus and grafana) of our entire stack.

*Tech: Kafka, Elastic stack, Apache Spark, Hadoop, Ansible, Logstash, Apache Flink*

### Expert Architect at Volvo Cars (Feb 2017 – Aug 2017)

In-car analytics investigations based on Go and Python

### Senior Engineer at Sony Mobile (jan 2016 – feb 2017)

Cloud infrastructure engineer for Sony Mobile Big Data Platform, includes ingesting and processing large amount of data.

- Responsible for developing and running our (Sony Mobile internal) monitoring & log processing stack which is available for other services within Sony Mobile. This includes log ingestion and processing + storage in Elasticsearch as well as metrics ingestion, Graphite, Influxdb and Grafana.
- Created and open sourced Lumber-Mill (http://github.com/sonyxperiadev/lumber-mill), a Reactive API (rx) for log collection and an alternative to Logstash when running on AWS. The complete Log & Metrics processing pipelines are powered by Lumber-Mill.
- "Big Data with Spark" – Course (7.5 hp) at Lund Institute of Technology.

*Tech: AWS (Cloudformation, Lambda, Kinesis etc), docker, java*

### Tech Lead at Sony Mobile (jan 2015 – dec 2015)

Tech Lead for Lifelog platform, where I introduced micro-services as one pattern to improve speed in development, better separation of responsibilities and simpler deployment. I also introduced devops mentality with focus on infrastructure as code, automation, continuous delivery etc.

*Tech: AWS (Cloudformation, Dynamodb, Kinesis, Lambda etc) docker, nodejs, java, datadog*

During my years at Jayway I have done a lot of shorter projects but to save space I have excluded some of these.

### Team Leader at Jayway

During two years of my time at Jayway I was Team Leader for the Java team, which included competence development and planning for consultants. This was a part time engagement.

### Cloud engineer at Sony Mobile (~ 1 year, 2014)

AWS infrastructure developer focusing on deployment and monitoring. Did my first fairly large-scale ELK setup ingesting a few thousand events per second.

*Tech: AWS, Cloudformation, Elasticsearch*

### Nodejs developer at Nokia (3 months 2013)

NodeJS backend development on AWS.

## Bankid (~1.5 year, 2012-2013)

My assignment at BankID Development of BankID servers for both mobile and other BankIDs. Except for developing new features an important goal was to solve scalability issues with the existing relational database. Small & tight team with shared responsibility for architecture, design and code.

*Tech: Java, JavaEE, Infinispan, SQL, Groovy, Security, Git*

# Cloud and Java deveeloper at Fress (2011)

Java backend developer for a global emergency platform (fress.org) that connects smartphones with psap´s (Public Safety Answering Point) and supports location (on map),automatically translated text messages, photo sharing and real-time video.

*Tech: AWS, Java, node.js*

## Java developer Dito.se (2011)

Worked on the rest-backend for dito.se, KF Medias long term investment for selling digital books in Sweden. Besides normal development I implemented the bookstore search engine with core Lucene.

*Tech: Java, Rest, Lucene*

## Developer at Qubulus (2011)

Developed a SAAS (Software as service) system that enables Qubulus positioning engine to run on a server (http://api.loclizard.com/). It also has a REST API that includes positioning + authentication.

*Tech: Java, Jersey/REST, Redis, MongoDB, AWS*

## Java mentor/coach - Sony Ericsson (2010)

Assigned as a mentor for approximately 250 developers together with two colleagues. Aiding and counseling in software architecture, design patterns, maintainability, performance, testing, mocking, concurrency and related topics.

## Akka (2010)

I did some small contributions to Akka early when Jonas Bonér was working at Jayway. Automated tests for snmp monitoring in Akka enterprise. Developing demo applications for Akka. Fixing bugs and adding features to Akka spring module in open source project.

## Developer at Business Security AB (now Advenica) ( 2008-2009)

Building a system for remote management of cryptographic unit with SNMP. I also built a key production system for writing keys to smartcards. A major part of the assignment was to introduce agile methodologies and CI systems.

## Projects pre 2008

- Health care system at Alfa Kommun & Landsting

- Numerous integration projects at Mogul Technology Center
- Different java projects at Kipling Mobile Business AB
- Management system for Unix based AXE at Ericsson Software Technology

## Certifications

- AWS Certified Developer Associate (2019)
- AWS Certified Solutions Architect Associate (2019)
- Springsource Certified Professional
- Certified Scrummaster
- Sun Certified Java Programmer
- Sun Certified Architect

## Education

Computer Science, Blekinge Institute of Technology 1994–1998