Curriculum Vitae for Stian Lågstad

Personal information

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Summary

I have a masters thesis from The University of Oslo, finished in 2016. During my time as a student I got exposed to several programming languages, such as R, Python, Scheme, Java, and Javascript. In my work experience following that, I have been eager to improve my knowledge of functional programming in strict languages, such as Scala and Haskell. I believe in letting the compiler and linting tools do as much work as possible, because then I as the developer have fewer options to shoot myself in the foot. I consider myself a pragmatic programmer with the ability to see the world from the users perspective, and can thus see their problems and create real solutions. I have experience being the link between a development team and the customer, having been a tech lead for a small development team in my previous job.

Technical skills

Frameworks	Angular, Akka, Backbone, Cordova, HK2, Ionic, Jersey, Jetty, JOOQ, JUnit, Netflix OSS (Feign, Hystrix, ++), OpenTracing, Pytest, R Tidyverse, Scalatra, Scalatest, Spring Boot
Languages	Bash, Java, Javascript, TeX/LaTeX, PHP, Pyhon, R, Scheme, Scala
Tools	Docker, Elasticsearch, Logstash, Kibana, Git, Subversion, Google Cloud Platform (Pubsub, Bigtable, CloudSQL, Stackdriver, App Engine, ++), Gradle, Maven, Grafana, Prometheus, Alertmanager, Jenkins, Travis, Jetbrains IDE's, Kubernetes, Mesos, Marathon, MSSQL, MySQL, Oracle, PostgreSQL, New Relic, OpenApI/Swagger, Pipenv, REST, SOAP, GRPC, RStudio, sbt, Spinnaker, Terraform, tmux, Vim

Education

2016	M.Sc. in Informatics for Technical and Scientific Applications, University of Oslo and Oslo University Hospital. I got the grade A for my thesis, Visualizing Chimeric RNA, where I created a visualization package for fusion genes in R. An application note about chimeraviz was published in the journal Oxford Bioinformatics in 2017. Supervisors: Rolf Skotheim and Ole Christian Lingjærde.
2014	B.Sc. in Mathematics, Informatics, and Technology, University of Oslo.

Professional experience

2019 –	IT Consultant at Expert Analytics
2017 – 2019	Software Engineer at Cognite
2016 – 2017	IT Consultant at Knowit
2014 – 2016	Consultant at The Science Library, University of Oslo
2011, 2013	Assistant teacher, Introduction to Object-Oriented Programming in Java, University of Oslo

Languages

English	Fluent
Norwegian	Native

Personal skills

Code quality	I am a firm believer in getting as much help as possible from the compiler, from linters, and from static code analysis tools to write high quality code.
Documentation	I am eager to properly document what I do, because I want to make the next developer's life as easy as possible.
Learning and teaching	I am very passionate about learning, and sharing what I have learned. I have spoken at Javazone, at Tekna meetups, and have held many internal technical presentations where I have worked.

Some interests and hobbies

Personal	Running, Football, Board games, Choir, Piano
Professional	Functional programming, Bioinformatics

Extended descriptions of selected projects

Activity	Development for Cognite
Role	Software Engineer
Staffing	From around 10 developers when I started in October of 2017, to around 80 in the beginning of 2019. In teams of 3-10.
Description	I worked extensively on the Cognite Data Platform, which includes many different API's and services in Java, Scala, and Python. I also worked on various data extraction applications, applications that integrated to various systems and fed data back to the Cognite Data Platform.
Tools	Java, Scala, Jersey, Jetty, Maven, Gradle, HK2, JUnit, Spotbugs, pmd, IntelliJ, Pycharm, Rider, Datagrip, Spring Restdocs, OpenAPI, Swagger, OpenTracing, Docker, Kubernetes, Google Cloud Platform (Bigtable, CloudSQL, Google Kubernetes Engine, Pub/Sub, ++), Terraform, Spinnaker, Python, Pipenv, MySQL, MSSQL, Oracle, PostgreSQL, Jenkins, Grafana, Prometheus, Terraform, Alertmanager, WITSML.

Activity	Development for NSB/Entur
Role	Consultant from Knowit
Staffing	Around 50 developers in total, divided in multiple teams of 3-8
Description	Developed and maintained backend ticketing systems built with Java and Scala.
Tools	Java, Oracle SQL, Spring (Spring Boot, Spring Cloud, ++), Kibana, New Relic, REST, SOAP, SOAPUI, Postman, Jetty, Gradle, Maven, IntelliJ, Datagrip, JBoss, Jenkins, Mesos, Marathon, Netflix OSS (Feign, Hystrix, ++), Docker, HAProxy, Elasticsearch, Logstash, Kibana, Scala, SBT.

Activity	R package development for my masters thesis
Role	Developer
Staffing	1 developer
Description	I created an R Bioconductor package called chimeraviz during my masters thesis. The package is actively used by bioinformatics researchers, and is still under development.
Tools	R, RStudio, Docker, Tidyverse, LaTeX.

Activity	Android/iPhone app for The Science Library
Role	Developer
Staffing	3 in-house developers
Description	We developed a simple book browsing Android and iPhone application for The Science Library at The University of Oslo.
Tools	Backbone, Javascript, Ionic, Cordova, PHP.

Activity	Book collection explorer for The Science Library

Role	Developer
Staffing	3 in-house developers
Description	We developed an interactive book collection explorer.
Tools	Backbone, Javascript, Twitter bootstrap, PHP.

Activity	New book registrar for The Science Library
Role	Developer
Staffing	2 in-house developers
Description	We developed a single-page application that simplified registration of new books.
Tools	Angular 1, Javascript, Twitter Bootstrap, PHP.