

Lars Johansen

Curriculum Vitae

PERSONALIA

CELL PHONE 857-277-3349
EMAIL larskrjo@gmail.com
LANGUAGES English & Norwegian

CURRENT LOCATION San Jose,
California,
USA

WORK EXPERIENCE

OCT 2014 - SEP 2025

Principal Software Engineer & Team Lead at OKTA INC., San Francisco, USA
Inbound Federations Team, Engineering Dept.

Designed and built large-scale, mission-critical software in a fast-paced agile environment. Worked on implementing, innovating and extending protocols such as OpenID Connect, OAuth 2.0 and SAML, as well as providing guidance and leadership for engineering, product, and design. Co-inventor of patents related to identity, federation, and authentication protocols.

- Creator of Auth.io, a tool to educate and help people learn about various authentication and authorization principles, concepts and flows using modern protocols.

SPRING - FALL 2014, SUMMER 2012, SUMMER 2011

IT Consultant / Intern at BOUVET, Oslo, Norway
National Collection Agency, Custom Application development, Intranet Integration

Developed a letter submission system for debt collectors in 2014. As Intern I developed BI solutions using SharePoint as platform in 2012, and an Android application to encourage people to use bicycle as transportation in 2011.

EDUCATION

2013 Visiting Student writing Master thesis in **Network Coding in WiFi**
Investigated and implemented WiFi reliability mechanisms in both unicast and multicast
Under supervision of **Prof. Muriel Médard**
Massachusetts Institute of Technology (MIT)
Cambridge, Massachusetts, USA

2011 - 2012 Special Student at **The Graduate School of Arts and Sciences**
Harvard University
Cambridge, Massachusetts, USA
Grade average: A/A- with GPA: 3.75 of 4
Selected courses: Systems Dev., Mobile Software Eng. and Heterogeneous Networks at MIT

2008 - 2013 Master study in **Communication Technology**
The Norwegian University of Science and Technology (NTNU)
Trondheim, Norway
Grade average: A
Selected courses: Distr. Real-time Systems, Algorithms & Data Structures and Software Eng.

2007 - 2008 Military service in **His Majesty The King's Guard, The Drill Platoon**
Evaluation: Initiative - above expected, General performance - excellent

Transcripts of grades can be provided on request.

PROGRAMMING AND DEVELOPMENT SKILLS

Since 15 years of age, I had great interest in computer networks and programming. At first, I was creating webpages and hosting network games, and later moved into developing applications for network and standalone systems, gaining more knowledge of the IP stack as well as Linux/Unix and mobile platforms.

I am well experienced in Java, with general knowledge with JavaScript, C, C++, Python, Objective-C, C# and T_EX, as well as writing software for Linux/Unix, Android, and iOS.

I am familiar with using the following system development tools/languages:

IDE	IntelliJ IDEA, Xcode, Eclipse, Sublime Text, Visual Studio Code.
WEB	Spring, REST, APIs, Browsers (CSP, CORS, Headers, etc), HTML4/5, CSS2/3, JSP, PHP.
UML	Class-, sequence-, state machine- and use case-diagrams.
SERVERS	Apache Tomcat, Nginx.
DATABASES	NoSQL, SQL and ER diagrams.
NETWORKING	HTTP, TCP, UDP, IP, ARQ, Network Coding (RLNC, XOR).
AMAZON AWS	Route 53, EC2, Load Balancing / Monitoring, Key Management Service, Secrets Manager.
VERSION CONTROL	Git.
OPERATING SYSTEMS	Ubuntu/Debian/Linux, OS X, iOS, Android, Microsoft Windows 7/XP/2000/NT/98/95.
TESTING FRAMEWORKS	Selenium, JUnit, Mockito.
PROJECT MANAGEMENT	Apache Maven, Apache Ant, JIRA, Confluence, Jenkins.

I am eager to expand my knowledge in these and related areas.

INTERESTS AND ACTIVITIES

I have always been interested in finding optimal solutions for complex problems, but as I've gained more experience the more I've learned that it's even more important to work on the right things - never optimize something that should not exist! I consider myself a fast learner and I like challenges, both in computer science and in life in general. I have participated in The Norwegian Mathematical Olympiad (The Niels Henrik Abel Contest) as member of the winning team in Oslo. I also participated in the junior national contest in gymnastics. Among my other interests are tennis, music, playing guitar, delicious food and to have fun with friends. I communicate well in both written and spoken English and Norwegian.

REFERENCES

References can be provided upon request.