

OSVALD IVARSSON



Motivated and fast full stack developer with a focus on Node.js/TypeScript/Java.

Quickly gets up to speed in new environments and delivers what's needed, both frontend, backend and everything in between. Easy-going, self-motivated and likes to work in teams with skilled colleagues.

Personal information

Phone: +46 (0) 768694722
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Website: <http://osvald.org>
Languages: Swedish (native), English (fluent), Korean (good knowledge)

Experience and projects

Sep 2016 – May 2018 **Backend Developer**, *Net Insight*, Stockholm

Developed a scalable and distributed system for doing low latency streaming of live video content in a robust and efficient manner. The system was built using a micro service architecture which handles server failures, network problems and temporarily high loads. It can also be deployed both on physical hardware and in the cloud.

My role included everything from developing new features and collaborating on architectural decisions to finding bugs and supporting sales and customers during implementation and deployment.

Technologies: *TypeScript, JavaScript, Node.js, Java, Angular, Elasticsearch, Kafka, InfluxDB, Grafana, OpenSSL, AWS, Docker, continuous deployment*

May 2017 – Jan 2018 **Full Stack Developer**, *Scopeapp.io (side project)*, Stockholm

Developed Scopeapp.io from the ground up alone, including the frontend, backend and all crawler technology. Scopeapp.io is a database for influencers in social media where companies quickly can find relevant influencers to work with.

Technologies: *TypeScript, JavaScript, Node.js, Angular, PostgreSQL*

Jan 2016 – Sep 2016 **Team Lead (interim)**, *Besedo Global Services AB*, Stockholm

Interim Team Lead and Scrum Master in a team of 7 developers, while still also doing software development as described below. Main responsibilities included setting overall direction for team, working on the agile development methodology, being the spokesman for the team and overseeing recruitment.

Technologies: *Scrum, agile, Jira*

- Jun 2015 - Sep 2016 **Full Stack Developer, Besedo Global Services AB, Stockholm**
Full-stack developer but with a focus on backend. Developed a high-scalability solution for doing online content moderation using a microservices architecture. This was developed with tests for all parts of the system and was continuously deployed to AWS.

My work included adding functionality to the backend API, refactoring older parts of the system, increasing performance, hunting down bugs or helping in the frontend when needed.

Technologies: *JavaScript, Node.js, AngularJS, MongoDB, MariaDB, RabbitMQ, Restify, Docker, Ansible, AWS*
- 2015 **Master Thesis Student, Bontouch AB, Stockholm**
In Bontouch I did my master's thesis in which the goal was to improve the workflow of creating and configuring animations when developing Android apps. I developed a prototype which was capable of configuring and tweaking animations and various other parameters directly on the mobile device in real time. This had the result of decreasing development time needed to configure animations.

Technologies: *Java, Android, Git*
- 2014 **Developer/owner, Own firm, Stockholm**
Developed a mobile game for Android and iOS where you in real-time compete against each other using separate phones. In the game you quickly must get rid of all blocks without hitting the ceiling, in which case you'd lose.

Technologies: *Libgdx, Android, iOS, Java, JavaScript, Node.js, Websockets*
- Summer of 2014 **Machine Learning Summer Intern, Besedo Global Services AB, Stockholm**
Evaluated Machine learning and how it could be practically applied for doing online content moderation. I was free to choose any application for Machine learning and decided to investigate both recategorization by text content and fraud detection. I got high accuracy results and successfully showed that Machine learning is usable for Besedo which paved the way for further research into this area.

Technologies: *Machine learning, Vowpal Wabbit, Python, Java, Play Framework*
- 2013 - 2014 **Developer/owner, Own firm, Stockholm**
Developed Stockholm Transit, an Android-app which makes it possible to easily and conveniently plan your journeys using public transport in Stockholm. The app features a clickable and interactive map.

Technologies: *Android, Java, REST, Node.js*
- 2010-2013 **IT Consultant, Own firm/Liber AB, Stockholm**
Did everything from programming, web development and testing to text editing and proof reading of digital teaching materials in Swedish. Was also coordinating a translation project of a digital math book from Polish to Swedish. In total 11 months of invoiced work.

Technologies: *JavaScript, CSS HTML, C#, Backbone.js, Marionette.js*

2010-2011 **Coach and video producer**, *PokerStrategy.com*
Held online coaching sessions and produced instructional videos for the then world's largest educational site for Poker.

2008-2009 **System operator and web developer**, *Forsmarks skola*, Östhammar
Did server provisioning and maintenance, automatic backups, network configuration, web development and gave technical support to users.

Technologies: *Linux, OpenSolaris, ZFS, VMWare, RAID 5, PHP, MySQL, HTML, CSS, JavaScript*

Education

2009-2015 **Computer Science and Engineering**,
Royal Institute of Technology (KTH), Stockholm
Degree of Master of Science in Engineering with a specialization in Program System Technology.

2013 **Korean language**,
Kyunghee University and Ewha Womans University, Seoul, South Korea
Studied Korean language for one year and passed level 3 (low intermediate).

Fall semester 2012 **Exchange studies in Computer Science and Engineering**,
Korea Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea
Did exchange studies as part of my master's program at KTH.

2007-2009 **The Natural Sciences Program (upper secondary school)**,
Forsmarks skola (mathematics and computers specialization), Östhammar
2006-2007 *Bruksgymnasiet*, Gimo

Other experience

2017 - (ongoing) **Board member/Head of IT**, *HSB BRF Entitan*, Stockholm
Board member and Head of IT in a housing society consisting of 235 apartments.

2014 - (ongoing) **Board member**, *Ivarsson Förlagskonsult AB*, Stockholm
Board member in a company that does consultancy for book publishers in Sweden.

2011-2012 **Board member in the student accommodation**, *Idun*, Stockholm
Handled all the finances as the cashier, programmed the website and was responsible for the key management to the common kitchens.

2009, 2010 **Participated in NWERC (programming contest)**, *KTH*, Germany
Chosen to participate in one of the three teams KTH sent to NWERC.