Viktor Holmberg

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Profile

Full stack developer with a backend focus. I like to get involved in all parts of development to understand the big picture. That includes everything from the database, to the frontend, to the people and processes outside the computer.

Coding-wise I value simplicity above all else, and when needed I'm not afraid to refactor my way there.

I love to learn new tools and technologies, and believe in choosing the right tool for the job, keeping in mind that that right tool might not be the newest and shiniest thing.

My ideal work environment is open, collaborative and challenging.

Education

KTH Royal Institute of Technology   **Stockholm**
Masters degree in Computer Science   *5 yr*
Masters track focus on machine learning and information retrieval

University of Texas at Austin
Exchange studies   *6 mo*

Experience

uSwitch   **London**
Tech lead, energy finance team   *8 mo*
uSwitchs commercial setup is complex, with each energy supplier having their own commercial model. As such, uSwitch is highly dependent on computer systems to estimate, invoice, and track revenue.

- Ongoing work to ensure that we estimate revenue accurately, and get paid the right amount by our partners.
- Liaison between the accounting, invoicing, commercial and tech teams, making sure they all have access to the right information.
- Lead a rewrite of our system for attributing revenue. The old system had serious accuracy problems when working on incomplete data, which had made the users stop trusting it. By using and showing exact error bounds, and doing comprehensive self-checking of the numbers, the new system was completely accurate. Using the new accurate data, we managed to identify several large payment problems, such as overpayments and underpayments from suppliers. We also made the new system stream based instead of batch based, which made the developer experience much more responsive.
- Lead the development of an automatic system for raising invoices. This system removed a large amount of manual labor for the team and ensured traceability of our invoicing process.

uSwitch   **London**
Back-end developer, energy back office team   *14 mo*
- Development on various backoffice systems with associated UI's.
- Ops work keeping microservices running smoothly with up to date tooling.

Depop **London**
Full stack developer *4 mo*
- Back-end development on highly concurrent payment system.
- Front-end development on backoffice tool for the support team.

Videoplaza **Stockholm**
Full stack developer *18 mo*
- Full-stack development on simulation-based ad inventory forecasting system;
  - Enabled my team to do fully autonomous releases by separating our backend codebase into its own repository.
  - Increased platform stability and team autonomy by separating the forecasting API into its own microservice.
- Backend development on ad server:
  - Designed and implementing customer-friendly REST apis w. dynamic documentation using swagger.
- Ops / CI work:
  - Developed a solution for releasing the main legacy monolith without downtime.
  - Moved forecasting system deployment from fabric scripts to ansible, enabling one-click, zero-downtime release for all forecasting microservices in both production and test environments.
  - Reduced ad server build time from >1 hr to <20 mins in one days work.

Findwise **Stockholm**
Master thesis *6 mo*
Master thesis work developing an automated expert recommendation system, capable of inferring expertise of employees from data in a corporate internal network. Read it **here**

Spotify **Stockholm**
Test automation developer *1 yr (part time)*
Development of graph-based test automation tools and automated tests for backend payment systems.

Technologies

Clojure: Main language at uSwitch

Java: Main language for my work at Videoplaza.

Python: Main language for my work at Spotify

Go: Hobby projects

Javascript: Front-end development for Videoplaza and Depop. Includes tools and frameworks like angular, node, grunt, bower etc.

Scala: Main language at Depop, various small projects at Videoplaza. (Please don't make me work with Scala again!)

Data technologies: MySQL, PostgresSQL, RabbitMQ, Redis, Cassandra, Kafka.

Operations/Infrastructure: Drone CI, Jenkins, Docker, Terraform, Ansible, AWS (EC2, RDS, S3, ECS, cloudwatch, DynamoDB)

Fun facts

Other job experience: I've worked as a gardener, bus cleaner, security guard, and was in the swedish army for a year.

Biggest fear: Crane flies

Favorite soda: Fanta