Vegard Stikbakke

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EXPERIENCE

- **Cognite** — Oslo, Norway
  Software Engineer II — *Jan 2020 – present*
  Software Engineer — *May 2019 – Dec 2019*
  - Designed and implemented a **load balancing scheme in Go** for handling millions of requests per minute.
  - In team of 4, built a **search API for unstructured files** and **data ingestion pipeline** with metadata extraction, OCR, and language classification. Python 3 (+ mypy for static type checking) codebase with 90% test coverage.
  - Technologies used: ElasticSearch, PostgreSQL, Apache Tika, Tesseract, Google Vision, Redis, Terraform, Jenkins, Spinnaker, Docker, Kubernetes, Google Cloud Pub/Sub, Google CloudSQL.
  - Worked on gRPC API implemented in Scala for ingestion and querying of GB sized seismic data files.
  - Full ownership of services: Infrastructure as code in Terraform. Dockerized containers deployed to Kubernetes using Jenkins. Observability using Grafana and Prometheus for metrics, and distributed tracing in Lightstep.
  - **Recruiting**: Conducted 100+ interviews for software engineering positions.

- **Konsus (now Superside)** — Oslo, Norway
  Software Engineer, 1-2 days per week — *Sep 2018 – Dec 2018*
  - Migrated marketing copy from React codebase to CMS, decreasing webpage sizes.
  - Implemented localization with locale based routing to support multiple languages, allowing more targeted SEO.

- **Spacemaker** — Oslo, Norway
  Data Scientist Intern — *June 2018 – Aug 2018*
  - Did research and development work on parking lot optimization algorithms.
  - Gave two talks on intermediate Python programming for data scientists and software engineers.

- **University of Oslo** — Oslo, Norway
  Teaching Assistant, 1 day per week — *Aug 2015 – Jun 2018*
  - Taught weekly 2h seminar. Graded and gave feedback on (bi)weekly mandatory exercises. Corrected 250 exams.
  - **Spring**: Functional programming in Lisp/Scheme. Head TA in 2018. Nominated for best TA several times.
  - **Fall**: Introduction to programming for science majors in Python.

- **Kolonial.no** — Oslo, Norway
  Data Scientist, 1-2 days per week — *Sep 2017 – Jan 2018*
  - Improved estimation of boxes used for grocery packing in warehouse using Python scientific stack.
  - Created business metrics dashboards in SQL for daily use by CFO.

- **Bekk Consulting** — Oslo, Norway
  Software Developer Intern — *Jun 2017 – Jul 2017*
  - Wrote React front-end for an application currently used by thousands of Norwegian citizens each day.

EDUCATION

- **University of Oslo** — Oslo, Norway
  Master of Science in Statistics; GPA: 4.64/5.00 — *Aug 2017 – June 2019*
  - Coursework in statistics and machine learning, e.g. Statistical Machine Learning and Computational Statistics.
  - One year research thesis (graded A) developing a gradient boosting algorithm for fitting survival times to a first-hitting time model, using a combination of lifetime and genomic data from e.g. cancer patients.

- **University of Oslo** — Oslo, Norway
  Bachelor of Science in Mathematics; GPA: 4.10/5.00 — *Aug 2014 – June 2017*
  - Coursework in mathematics, computer science, and statistics, from Real Analysis to Operating Systems.
  - Took 2/3 year worth of additional computer science courses while graduating on time.

TECHNOLOGIES

- **Languages**: Python, Go, JavaScript (React), Scala
- **Technologies**: SQL, Unix, Git, Google Cloud, Docker, Kubernetes, Terraform