Ben Sima

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Professional Summary

Staff Product Software Engineer with **10+ years of experience** building and scaling data heavy products across industries. Specializing in **developer tooling**, **DevOps**, **AI workflows**, and delivering **zero-to-one solutions** for new customers.

Hard Skills

Languages

- Clojure
- Common Lisp
- Go
- Haskell
- Java
- JavaScript
- Nix
- Python
- Ruby
- Rust
- Scheme
- Shell/Bash
- SQL
- TypeScript

Frameworks and Tools

- Angular
- Apache Kafka
- CI/CD
- DevOps
- Docker
- Flask
- Git
- Numpy
- Pandas
- Ruby on Rails

Employment History

Groq.com, Staff Software Engineer, Infrastructure, 2019/6 - 2024/10

- Implemented operations in the high-level ML library `groqapi` for **advanced machine learning workflows**.
- Developed **internal and external documentation** systems to support both **team members and customers**.
- Managed internal services, build tooling, and **DevOps** processes.
- Developed **hardware-in-the-loop testing** to ensure hardware reliability.
- Built **CI/CD pipelines** and packaging systems for **reliable product delivery** to high-stakes customers.
- Optimized developer workflows, removing bottlenecks and **improving cycle time by 25%**.

Technologies: Nix, Haskell, Python, bash, Docker, many others.

UE Authority, Senior Software Engineer, 2018 - 2019

- Developed **high-performance data pipelines** for UE.co's next-generation platform, enhancing the delivery of car and home insurance sales leads nationwide.
- Engineered **highly concurrent services in Haskell**, capable of handling **60,000–70,000 leads per minute**.
- Integrated lead data from external providers and CSV uploads into a **unified processing system**.
- Streamlined **data scrubbing processes** across multiple internal services, **improving efficiency and reliability**.
- Delivered processed lead data to front-end applications used by a country-wide network of salespeople.

Technologies: AWS, Haskell data pipeline backend, MySQL and AWS Redshift, RESTful API with Swagger docs

Liaison Technologies, Software Engineer, 2015 - 2018

- Designed and implemented a **distributed, streaming, immutable, event-sourced cloud database** for semi-structured **enterprise data**.
- Developed **AI-based microservices** to extract structured intelligence from semi-structured data streams.
- Enhanced **data accessibility** by flexibly extracting intelligible information from customers' data banks.
- Utilized **Clojure, Docker containers, and private cloud** infrastructure to build and deploy **microservices**.

Technologies: Clojure and Java, PostgreSQL, ElasticSearch, ArangoDB, Apache Kafka, Apache HBase, REST API with Swagger integration, event sourcing, command query responsibility segregation (CQRS), schema matching

Thermo Fisher, 2017

- Developed a system to **create and run remote hardware tests** for an equipment line.
- Enabled field technicians to collaborate on **custom diagnostic tests** for individual instruments.
- Connected instruments across the network for **seamless remote access and testing**.
- Facilitated both remote and on-site execution of **hardware diagnostics**.

Technologies: Typescript & AngularJS UI, Python backend, CouchDB datastore

WholeLatteLove.com, 2015

- Performed **full-stack engineering** on a custom e-commerce platform using **Ruby on Rails**.
- Designed and implemented an **application-wide notification system**.
- Implemented **Continuous Integration** andj **Continuous Deployment (CI/CD)** processes.
- Conducted code upgrades and **database migrations** to enhance system performance.
- Developed a comprehensive test suite to improve **code quality and reliability**.

Thinkful, 2014 - 2015

Instructor in data science and full-stack web development with Python for new and intermediate students. Contributed to written curricula.

Freelance developer, 2012 - 2014

Created two ecommerce systems in PHP, a ClojureScript front-end, and e-magazine site for a local Rochester NY publication.

Education

A.B., Philosophy, Rochester Institute of Technology, 2014. Thesis: *Wonder and Desire in Romantic Love: Levinas and Irigaray*

Performance Reviews

Real quotes from coworkers during anonymous 360 reviews:

> Ben works proactively and independently, given even a vague problem description (e.g. "more visibility") he'll come up with something useful.

> finds problems where his individual contributions have a very high power-to-weight ratio & implements direct solutions that solve these problems in a timely & efficient manner. has a tendency to cut to the heart of an issue and attack it directly, rather than get stuck in a quagmire of indecision or coordination for issues where the long-term goals are unstable or subject to change.

> Establishes what the MVP is and builds it. Avoids bureaucratic overhead.

> Ben is open to share his knowledge and help others. He has helped me a couple of times and showed a lot of patience, empathy, and knowledge.