

Experience

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Google 2020-01 to now

Sunnyvale, CA

Datacenter layout optimization software.

- designed & implemented scoring mechanism for datacenter layouts
- · TL for team's central data fetching service
- · used Python, Java, MySQL, Google Spanner, Bazel, internal Google tooling

Scontrino 2019-08 to 2020-01

Palo Alto, CA

Stealh-mode startup building dining payment technology.

- · solo founder
- · built payment app and backend
- · conducted user research & sales conversations
- · pitched to investors
- · used Clojure, Datomic, PostgreSQL, ClojureScript, Re-frame, React Native, NFC, RFID, Google Cloud

Brex 2018-06 to 2019-08

San Francisco, CA

Credit card transaction processing software.

- · TL of the credit card transaction processing team
- re-designed and implemented transactional accounting system used to track flows of money as payments move through the payment cycle
- · database administration to ensure continued performance

- recruiting outreach, interviewed candidates & mentored new hires
- · infrastructure monitoring & on-call rotation
- · used Elixir, PostgreSQL, Kubernetes, Docker, Stripe, Git, Build-Kite

Ladder Life 2017-05 to 2018-06

Palo Alto, CA

Life insurance broker full-stack software development.

- developed features in close collaboration with design, product and CX departments to enable automatic life insurance underwriting.
- built voice-controlled flow for Google Assistant and Amazon Alexa devices to get life insurance quotes
- · designed, implemeted and maintained customer ETL pipeline to enable quick outreach
- · infrastructure monitoring & on-call rotation
- · lots of internal tooling
- · interviewed candidates
- used Clojure, ClojureScript, Datomic, Om/next, Google Big-Query, Dialogflow, Datadog, AWS, Kubernetes, Docker, Stripe, Buck, Git, BuildKite

Stylefruits 2016-07 - 2017-04

Munich, Germany

Mobile app centered around fashion.

- backend feature development for fashion shopping app in collaboration with frontend and product department
- developed internal tooling for configuration synthesis
- built recommender system for fashion item combinations using Word2Vec
- · used Clojure, PostgresSQL, Apache Mesos, ElasticSearch, Word2Vec, Git, Docker

Instana 2015-05 to 2016-04

Munich, Germany

- developed cloud resource metrics exporter for infrastructure monitoring startup
- · used Haskell, AWS CloudWatch, Git

Skills

Programming languages

· Expert: Haskell, Clojure, SQL

· Intermediate: Java, Python, Elixir, F#, OCaml, Bash, Nix

· Beginner: C, Rust, JavaScript

Databases

· Expert: PostgreSQL, Datomic

· Intermediate: Google Spanner, SQLite · Beginner: ElasticSearch, MySQL

Tools

· Expert: Git, Linux, Nix

· Intermediate: Docker, Kubernetes, Bazel, Emacs, LaTeX

Services

AWS, GCP, Datadog, Stripe, BuildKite, Heroku

Interests

Compilers, type theory, functional programming, databases, algebra, category theory

Spoken languages

· Native: English, German · Conversational: French · Basic: Italian, Mandarin

Education

B.Sc. in Mechanical Engineering (incomplete) 2013-03 to 2016-06

Munich University of Applied Sciences Specialized in Automatic Control Systems

Projects & Contributions

lang (author)

Statically-typed functional programming language targeting the JVM. As rigourous as Haskell, as ergonomic as Clojure.

Compiler first written in Haskell, then re-written in Clojure.

nrw (author)

CLI utility to quickly search and select from streams of text. Written in Haskell.

rules_clojure (author)

Bazel/Blaze toolchain for compiling Clojure projects. Written in Starlark & Clojure.

nixpkgs (contributor)

Linux distribution that is completely determined through a single configuration file. Written in the Nix language.

spacemacs (contributor)

Batteries-included Emacs configuration. Written in Emacs Lisp.