

Profile

My superpower is drilling deep into complicated systems and optimizing them as a whole. I care about the details and appreciate efficiency.

Technical

TypeScript	GCP, AWS	Infrastructure as Code
PostgreSQL/PostGIS	Kubernetes	Continuous Delivery

Employment

Founder / CTO at Honest & Rare

Business Case Engineering, Team Leadership

July 2019 - Present

- Hired 3 developers and made a marketplace with 350 companies and 3500 products for 5000+ customers
- Organized a Continuous Delivery pipeline
- Implemented Business Intelligence reporting dashboards and alerting with MySQL/Postgres + Metabase
- Planned and implemented an End-to-End testing suite using Cypress
- Optimized performance 10x across the entire stack from DB to CDN

Staff Software Engineer at AirDeploy

TypeScript, Postgres, NATS/NSQ, GCP, Fastly

January 2019 - May 2021

- Architected a new service in TypeScript with an open-core OSS model
- Sustained up to 300 Mbit/s of mostly-write API requests with it
- Planned and implemented a migration of message queues that do not fit in RAM to NSQ
- Made sure Server-Sent Events have low latency

Creator of Mix-O-Rama in Founder Institute

Startups, Business, Hardware Engineering

October 2018 - March 2019

- Built a working cocktail robot prototype, aiming to bring it to events market
- Python + Kivy UI + Arduino/C + HX711 sensors + pneumatics
- Designed and assembled a custom PCB and 3D printed parts
- Served over 500 cocktails at several parties for market validation

Senior Software Engineer at Planet.com

Kubernetes, Python, PostGIS, Google Cloud

February 2017 - September 2018

- Implemented a platform permissions system to serve satellite imagery (Flask, SQLAlchemy, GDAL)
- Enforced area download quotas (Bottle, low-level PostGIS)
- Delivered an Internal Analytics app (BigQuery/Datstudio)
- Handled 200 Billing API requests per second (uwsgi, postgres locks/transactions)
- Implemented Continuous Delivery
- Migrated from Amazon Web Services to Google Cloud Platform (SQS, RDS, Docker)

Cloud Platform Lead at LOVOO GmbH

Kubernetes, CoreOS, Go, Advanced AWS & GCP

April 2016 - December 2016

- Deployed a slew of microservices in Golang to Kubernetes, optimized to handle 1.5 Gbit/s of API

traffic

- Provided a Platform as a Service environment for the internal teams
- Automated deployments, canary releases and traffic shifting for blue\green
- Evaluated and compared cloud vendor offers from functional and price/performance standpoints

Tech Lead at Home24 AG

Internal tools team, leading 3 developers

November 2014 - April 2016

- Implemented Logistic calculations, handling millions of entries (migrated RabbitMQ to SQS)
- Re-architected a 3rd party product data import system (SQS, DynamoDB, optimistic locking, Streaming XML)
- Started an acceptance testing project, providing QA with the architecture for transparency and testcase code reuse (Codeception)
- Refactored a critical web checkout process for testability and performance

Personal projects

Over the years I worked with too many tech stacks. Some of them I no longer actively use, but I carried valuable experience out of all of them. I genuinely enjoy untangling complex systems, debugging and optimizing them.

Here's a list of keywords that I would love to tell developer battle stories about:

Kotlin, Graphite, Grafana, Ansible, Terraform, NATS-Streaming, Apache Spark, Apache Solr, Lua, Prosody, SQLite, XMPP, Sandstorm, Cloudrion, C#, ASP.NET, MSSQL, WinForms, CalDAV, CardDAV, SkypeKit, BitTorrent, C, Arduino, Reverse Engineering, Bluetooth

Education & Certificates

Penza State Technological University

2008-2013

Computer Science (diploma)

Zend Technologies Ltd.

2011

PHP Certified Engineer

Microsoft Corp., Prometric

2011

Microsoft Certified Technology Associate, Windows Development Fundamentals