

Luca Loncar

Staff Software Engineer

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Staff Software Engineer / Lead with 7+ years of experience across leading product engineering verticals as well as designing and implementing highly reliable and performant distributed systems at Google scale.

Work Experience

Altana AI

Python, API Design, PostGres, Elasticsearch, Redis, Kubernetes

[Altana AI](#) is developing an AI-powered platform that provides a full, real-time map of the global supply chain, enabling businesses and governments to monitor and manage their networks with enhanced visibility and security. I joined at series A (\$50mil valuation) and led the team that headlined our series C \$1bil valuation raise (see VCMS below).

Staff Software Engineer | December 2024 - Present

- Backported multi-tenancy into existing application to support network-effect growth strategy
- Combined two main product verticals ([VCMS](#) and [TCG](#)) into one to mitigate divergent road maps across teams

Technical Lead | August 2023 - December 2024

- Led team of 9: 7 engineers, 1 product manager and 1 designer, building the [Value Chain Management System](#)
- Led e2e launch of Value Chain Catalog: a revamped application; including 'big data' analysis tables, document upload, audit logging, historically versioned data, savable/stateful workspace; grew into majority of Altana's ARR
- Designed/implemented user feedback features to train ML models, improving **recall 17% and precision 65%**

Senior Software Engineer | May 2022 - August 2023

- Designed/implemented automated ML pipeline used by internal data scientists to transform user [Bill of Materials](#) to collection of graphs describing users' supply chains; resulted in improved customer onboarding speed by 1000x
- Defined initial API implementation patterns for Altana's first stateful services; DB access / schema migrations, testing, [SOLID](#) OOP design, productionisation, integration testing; codebase now supporting 20+ engineers
- Designed/implemented optimized Postgres routines to power APIs serving 'big data' tables/graphs

MeetElise

Software Engineer | October 2021 - March 2022

- Owned the rules engine for customizing chatbot responses based on ML interpretations of customer's messages
- Championed the adoption of type annotations, linters, CI and operational/user experience metrics

Google

Software Engineer | July 2018 - October 2021

Golang, DNS, Java, C++, Concurrency, API Design, Distributed Systems

- Designed and implemented [clouddns-controller](#), **enabling all of GKE** to replace [kube-dns](#) with [Cloud DNS](#)
- Designed, implemented and productionized [RRSets API](#) - used by [GCP](#) enterprise users to manage DNS records
- Ideated, designed, implemented and productionized [Cloud DNS monitoring dashboard](#)

Education

University of Michigan - Ann Arbor | May 2018

BS in Computer Science

Projects

[votebyemail.io](#) | Summer 2020

- Co-founded [votebyemail.io](#), which allows voters to apply for a mail-in-ballot without needing to go through the impossibly confusing application process provided by US state govt's -- 8000 sign ups in the 2020 general election

Skills

Languages: Python, Golang, SQL, C++, Java, TypeScript

Tools / Services: PostGres, GCP, AWS, DNS, MapReduce, NoSQL DBs, Kubernetes, Redis

Other: Technical Leadership, Product Development, API & Systems Design, Concurrency, Distributed Systems