Corey Cole

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Profile

Senior Software Engineer in native and full stack web applications (in Seattle)
Comfortable embracing many roles including product design and project management

Work Experience

Founding Engineer, Full Stack at a16z backed seed stage startup   Seattle, WA
Chestnut   April 2024 - Present

- Built and extended full stack features for payouts, compliance, onboarding, and data ingestion pipelines
- Collaborated and iterated with design/product via Figma/excalidraw to build delightful UIs in tailwind
- Authored, reviewed and implemented technical specifications for new features and system improvements
- Practiced independent agency: identified and fixed quick-win issues alongside my main task at hand
- Built and iterated on GitHub Actions CI/CD and local development tools for engineering efficiency
- Leveraged LLM tools to quickly understand, extend and document code
- Conducted code reviews with thoughtful questions, feedback and suggestions
- Golang, temporal, postgres, SQLc, dynamoDB, dagster, python, connect-es, tanstack query, zod, & RHF

Senior Software Engineer, Cofounder of Omnicom.ai (microphone sync app)   Seattle, WA
Kernel Labs   Jan 2020 - Dec 2023

- Built real-time (<60ms) audio signal processing system to synchronize and echo-cancel in C/Rust
- Built hardware integration for 6 figure corporate contract with Hewlet Packard (HP) in C/GStreamer
- Built contacts+notes voice assistant app (Ciremi) in React Native Expo using GPT4 LLM openai api
- Built full stack apps for 1000s of users in Typescript/React Native/AWS Lambda/Fargate/EC2
- Quantized machine learning model for real-time audio signal inference on Android
- Mentored junior developers and enhanced engineer productivity by simplifying codebases

Software Engineer, Cofounder of Halloo (Alexa/Google Home app)   Seattle, WA
Kernel Labs   Apr 2018 - Jan 2020

- Built Alexa & Google Home voice social network (like Houseparty) using Typescript/Python/AWS
- Built Chrome Extension for de-noising audio with in-house ML model using JavaScript and Python
- Developed an internal analytics, logs, and error browsing tool to streamline access to critical data

Software Engineer, Cofounder   Seattle, WA
BellHapp Inc   Sep 2015 - May 2018

- Built restaurant mobile web app for the dine-in experience of ordering and real-time staff messaging
- Bootstrapped with 1-2 engineers; owned design and UX; led weekly meetings & task organization

Research Demo Builder for Dan Suciu   Seattle, WA
University of Washington, Computer Science & Engineering Department   Sep 2015 - May 2018

- Built best-in-conference demo for VLDB 2018 and demo'd at ACM SIGMOD 2018
- Developed a SQL-based framework for drawing causal inference using Python and Postgres
- Visualized and fixed bias in OLAP queries using Angular and Typescript

Software Engineer   King of Prussia, PA
eBay Enterprise   Jun 2015 - Sep 2015

- Built Magento e-commerce front-end linked to our legacy back-end as a proof of concept in PHP/SQL

Skills, Tools & Experience

Languages:	Go, SQL, Typescript, Python, Protobuf, C/C++, Rust, GStreamer
Backend:	Temporal, Postgres, DynamoDB, Dagster, AWS, EC2, Lambda, Docker, SSR, SQLite, redis
Frontend:	React, Next, Tanstack Query, Connect-es, Tailwind, React-Hook-Form, Zod, Shadcn
Tools:	Neovim, Supermaven, Cursor, GitHub Actions, Linear, Excalidraw, Postman, Figma

Education

University of Washington, Dean's List   Seattle, WA
Bachelor of Science Computer Science custom track in Informatics, Math minor   Sep 2013 - June 2017