Corey Cole

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EDUCATION

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

WORK EXPERIENCE

Founding Engineer, Full Stack — Seattle, WA
Chestnut — April 2024 - Present

- Built in golang, postgres, SQLc, temporal, react, next, connect-es, tanstack query and tailwind
- Closely collaborated and iterated with design and product to build delightful UI and animations
- Crafted and reviewed technical specifications both for new features and refactors for existing features
- Practiced independent agency: fixed quick-win issues I discovered alongside the 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

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 codebase

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
- Built the app from scratch, along with a lean team of 1-2 other engineers
- Owned product design and User Experience; 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
- Leveraged SQL to scale coarsened exact matching past in-memory tools (R)
- 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, Protobuf, Python, C/C++, Rust, GStreamer
Backend:	Temporal, AWS, EC2, Lambda, Fargate, Docker, SSR, Postgres, SQLite, NoSQL, redis
Frontend:	React, Tanstack Query, Connect-es, Tailwind, Next, Turborepo, Native executables, CLIs

PROFILE

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