M. Cooper Healy

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GITHUB	https://github.com/noonels

Skills

Programming Languages	C++, Go, Python, Embedded C, Julia, TypeScript
Software	Git/Github, GNU/Linux, PostgreSQL, Make, Valgrind, GDB

Work Experience

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Mar 2024
Software Engineer
Nabis, San Fransisco, CA
- Led addition of OpenSearch usage to main order form, leading to 95% reduction in search time
- Created new accounting management system for credits, unblocking contract renewal for largest customer
- Designed and built new state-agnostic tax handling system to enable national scale

Feb 2024
Nov 2023
Software Engineer
Arbol Inc, New York, NY
- Stood up new microservices to automate contract confirmation process for legal team
- Led project for platform tooling, organizing work to be done and customer feedback

Nov 2023
Feb 2023
Senior Software Engineer (Labs Team)
Copper CRM, San Fransisco CA
- Designed and implemented distributed job system to parallelize computation
- Performed time-series data analysis to determine meaningful parameters for user's relationships
- Developed comprehensive analysis tool for client relationship insights
- Integrated new analysis tool with existing infrastructure to increase application's ability to respond to user needs
- Developed internal tools to prevent common issues in development and deployment of distributed system

Nov 2023
Oct 2021
Software Engineer
C2FO, Leawood KS
- Architected and owned use of Multi-Factor Authentication site-wide
- Designed and implemented cardholder signup workflow and dataflow

Oct 2021
Jan 2021
Software Engineer II
Garmin International, Olathe KS
- Added authentication for integration tests, removing the need to store credentials
- Wrote new layer to allow use of SSL in customer-device authentication
- Secured internal endpoints on production services by adding secured connective layer
- Wrote custom application-layer API handling in C++ to allow for more complex internal API usage
- Updated server to handle requests for map data by customer navigation devices in C++
- Owned and maintained authentication system for all incoming traffic from customer navigation devices

Jan 2021
Feb 2020
Software Engineer / DevOps Liason
Service Management Group, Kansas City MO
- Developed tools to monitor and diagnose data quality issues on a large scale
- Mitigated client-impacting issues with data quality in a timely and permanent manner
- Redesigned messaging architecture for critical and high load infrastructure applications

Feb 2020
Jun 2019
Software Engineer
Cboe Global Markets, Lenexa KS
- Designed overarching structure for new data engineering workflows with Hadoop and Spark
- Worked in on-call cycle to mitigate company-wide data quality concerns at all hours
- Coordinated with NYSE and Nasdaq to create common format for new SEC compliance report
- Collaborated with platform team to create new framework for large-scale market analysis

Education

2019 **Bachelor of Science, Computer Science**
Missouri University of Science and Technology, Rolla MO
GPA: 3.5/4.0, Major GPA: **3.9/4.0**
Cum Laude