M. Cooper Healy

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GITHUB	https://github.com/noonels

SKILLS

Programming Languages	Python, Go, Embedded C, C++, Julia, TypeScript
Software	Git/Github, PostgreSQL, Django, Numpy, Pandas, Kafka, RedShift, Kubernetes

WORK EXPERIENCE

— Mar 2024

Software Engineer
Nabis, San Fransisco, CA
- Created new accounting management system for credits, unblocking contract renewal for largest customer responsible for 30% of total revenue and 6.2% of the total market share
- Led addition of OpenSearch usage to main order form, leading to 95% reduction in search time
- Designed and built new state-agnostic tax handling system to enable national scale
- Developed new unified API for serving application across multiple states and data schemes
- Architected and implemented new system for handling tax-inclusive pricing for all products, doubling market share in New York

Feb 2024 – Nov 2023

Software Engineer
Arbol Inc, New York, NY
- Developed new microservices to automate contract confirmation process for legal team, reducing process from 2 weeks to minutes
- 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 into application to automatically adapt UI to user behavior
- Developed 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
- Developed and maintained internal marketplace to match market makers with market takers

Oct 2021 – Jan 2021

Software Engineer II
Garmin International, Olathe KS
- 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++

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
- Coordinated with NYSE and Nasdaq to create common format for new SEC compliance report
- Worked in on-call cycle to ensure high-available data processing for all company data
- Created new framework for large-scale market analysis, allowing analysis reports to be faster to implement, more maintainable, and more accurate

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