

M. COOPER HEALY

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GITHUB <https://github.com/scrimbles>

SKILLS

Programming Languages	TypeScript, Julia, Go, Embedded C, C++, Python
Software	Git/Github, PostgreSQL, NestJS, Numpy, Pandas, Kafka, Redis, Docker, Kubernetes

WORK EXPERIENCE

—	Technical Lead Software Engineer
MAR 2024	<i>Nabis</i> , San Francisco, CA <ul style="list-style-type: none">◦ Provided technical leadership to a team of 3–5 engineers through mentorship and architectural direction, while partnering with internal and external stakeholders on strategic initiatives◦ 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	Senior Software Engineer
NOV 2023	<i>Arbol Inc</i> , New York, NY <ul style="list-style-type: none">◦ 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	Senior Software Engineer (Labs Team)
FEB 2023	<i>Copper CRM</i> , San Fransisco CA <ul style="list-style-type: none">◦ 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 improve development and deployment of distributed system
NOV 2022	Software Engineer
OCT 2021	<i>C2FO</i> , Leawood KS <ul style="list-style-type: none">◦ 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	Software Engineer II
JAN 2021	<i>Garmin International</i> , Olathe KS <ul style="list-style-type: none">◦ 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	Software Engineer / DevOps Liaison
FEB 2020	<i>Service Management Group</i> , Kansas City MO <ul style="list-style-type: none">◦ 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	Software Engineer
JUN 2019	<i>Cboe Global Markets</i> , Lenexa KS <ul style="list-style-type: none">◦ 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