

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 initiativesCreated 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 shareLed addition of OpenSearch usage to main order form, leading to 95% reduction in search timeDesigned and built new state-agnostic tax handling system to enable national scaleDeveloped new unified API for serving application across multiple states and data schemesArchitected 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 minutesLed project for platform tooling, organizing work to be done and customer feedback
NOV 2023	Senior Software Engineer (Labs Team)
JAN 2023	<i>Copper CRM</i> , San Fransisco CA <ul style="list-style-type: none">Designed and implemented distributed job system to parallelize computationPerformed time-series data analysis to determine meaningful parameters for user’s relationshipsDeveloped comprehensive analysis tool for client relationship insightsIntegrated new analysis tool into application to automatically adapt UI to user behaviorDeveloped 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-wideDesigned and implemented cardholder signup workflow and dataflowDeveloped 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 layerWrote custom application-layer API handling in C++ to allow for more complex internal API usageUpdated 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 scaleMitigated client-impacting issues with data quality in a timely and permanent mannerRedesigned 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 reportWorked in on-call cycle to ensure high-available data processing for all company dataCreated 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