

M. COOPER HEALY

EMAIL m.cooper.healy@gmail.com
PHONE (217) 204 – 1461
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

MAR 2024	Technical Lead Software Engineer <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 <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) <i>Copper CRM</i> , San Francisco 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 2023	Software Engineer <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 <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 Liason <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 <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
------	--