

MATT KOSTER

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People-first **Senior Software Engineer** with 10+ years' experience designing and delivering cloud-native applications with proven expertise in AWS serverless technologies, event-driven architecture, and mentoring engineers in agile environments.

EXPERIENCE

SOFTWARE DEVELOPMENT MANAGER, VERVINT

2023 – 2025

Led teams of 5–12 developers with a focus on mentorship, growth, and team cohesion. Supported junior engineers in adopting sound coding practices and navigating complex challenges. Helped shape engineering and business processes across a 40+ person team, leading to improved team alignment and smoother inter-team collaboration.

PROJECT: EMBEDDED HARDWARE ENGINEERING ADVISORY, BOBCAT COMPANY

- Served as a liaison between Bobcat's IoT Cloud Platform and Embedded Engineering teams during development of their next-generation vehicle Wi-Fi connectivity module.
- Provided strategic guidance on AWS IoT best practices and architectural design, resulting in an implementation plan which engineering leadership used to move forward confidently.

SENIOR CLOUD CONSULTANT, VERVINT

2021 – 2023

Successfully delivered multiple technical projects attaining \$500,000+ in revenue while managing teams of 3–5 consultants for multiple clients. Provided regular feedback to support teammates' personal and professional growth, resulting in multiple promotions. Co-founded and facilitated a technical leadership group within the Connected Products team, which became a model adopted across the organization.

PROJECT: IoT PLATFORM BUILD, APERIA TECHNOLOGIES

IoT Core, Fleet Hub, TypeScript on Lambda, API Gateway, Timestream, Athena, Kinesis, S3, CloudWatch

- Delivered a next-generation AWS microservice-based IoT platform which supported 30,000+ devices in its first year of operation.
- Employed DevOps best practices, including IaC using AWS CDK, Continuous Integration/Continuous Deployment (CI/CD) pipelines, SonarQube security scanning, Jest unit testing, and ESLint linting.
- Co-led a team of three developers utilizing Agile Scrum project management. Supported a team member's growth into a leadership role, resulting in a promotion.
- Translated stakeholder needs into hundreds of actionable user stories.
- Upheld project quality by balancing code reviews and technical documentation with hands-on feature and automation development.

PROJECT: IoT PLATFORM MAINTENANCE, TRAEGER

IoT Core, NodeJS on Lambda, DynamoDB, Serverless Framework, Azure DevOps, GitLab Pipelines

- Stepped into an unofficial tech lead role maintaining a large-scale IoT platform managing 500,000+ connected devices, growing to 750,000+ by the end of my tenure.
- Identified a lack of team direction and proactively assumed leadership responsibilities, including task delegation, issue ownership, and technical oversight, leading to \$500,000+ in additional revenue.

- Provided clear direction for team output through defined structure, resulting in reduced team stress and improved team performance, as well as positive personal feedback leading to my promotion from Consultant to Senior Consultant.
- Identified a critical production security issue and worked with the embedded development team to triage and implement a resolution, significantly reducing the platform's vulnerability.
- Analyzed production platform costs and recommended remediations which resulted in \$10,000+ monthly savings.

INTERN, DEVELOPER, & CONSULTANT, VERVINT

2013 – 2021

Wrote code for clients in collaborative, Agile environments alongside cross-functional teams that included sales reps, scrum managers, architects, and project leads. Stepped into leadership roles on two projects lacking designated leads or architects due to resource constraints.

PROJECT: FUNCTIONAL TESTING FRAMEWORK, AMWAY

NodeJS on Lambda, JSON, CloudFormation, CloudWatch, S3, Cloud-native testing

Built a serverless, configurable, automated functional test suite to validate an evolving enterprise supply chain system utilizing a microservice architecture. Designed an orchestrator which parsed test configurations, spun up parallel workers, and aggregated results—making system testing scalable, extensible, and low-maintenance. As a result, the initial project deployment was bug-free.

EDUCATION

BS IN COMPUTER SCIENCE, CALVIN UNIVERSITY

2010 – 2014

Maintained a GPA of 3.9+, awarded Dean's list membership for 8 cumulative semesters. Awarded Trustee's scholarship, the highest scholarship awarded for academic excellence.

MANAGEMENT SKILLS

- Building cohesive, high-trust teams
- Learning and growth mindset for self and others
- Emotional Intelligence, based on reported trust from team members
- Responsive, clear communication
- Meeting direction and facilitation
- Deep technical understanding

TECHNICAL SKILLS

- AWS serverless technologies, including Lambda, API Gateway, S3, DynamoDB, SQS, SNS, SES, EventBridge, and others
- REST APIs, with limited GraphQL API experience
- X.509 Certificates, Authentication, and Authorization
- AWS IoT Core including MQTT5
- ChatGPT
- Git, GitHub, GitLab, Bitbucket, Azure DevOps
- JavaScript and TypeScript
- HTML and CSS

ACTIVITIES & CERTIFICATIONS

- AWS Certified Solutions Architect Professional (2021-2024)
- AWS Certified Developer (2019-2024)
- Vervint's GROW Leadership Training Program
- Vervint's ELEVATE Leadership Training Program
- Routine planner for company "out-of-office" events, such as happy hours, board game day, and volleyball league