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Experienced engineering leader specializing in AWS-powered cloud infrastructure, full-stack development, and building cross-functional teams to deliver scalable, innovative solutions.

Proven track record of leading cross-functional teams to success through full-stack development, process automation, and mentoring team members to excel in roles aligned with their strengths.

Demonstrated technical expertise in AWS, NodeJS, C++, SQL, and API development, building scalable systems that drive efficiency and growth.

Visionary technologist passionate about researching and applying emerging technologies to create impactful business solutions and inspire team innovation.

Key Skills

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|-------------------------|-----------------------|-----------------------------|
| • Technical Leadership | • Full-Stack Software | • Cloud Infrastructure |
| • APIs Development | • Project Management | • Process Automation |
| • Database Optimization | • CI/CD Pipelines | • Business Analysis |
| • Strategic Planning | • Generative AI | • Stakeholder Collaboration |
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Professional Experience

Vice President of Engineering – Digital Ally Inc. – Lenexa, KS

July 2024 – Present

Lead the engineering division, managing software, hardware, manufacturing, and IT teams to align engineering initiatives with business objectives, budgets, and operational priorities.

Key Highlights:

- **Cross-Functional Team Leadership:** Integrated efforts across engineering, IT, and manufacturing teams, implementing streamlined workflows that improved collaboration and project execution.
- **Strategic Resource Management:** Established and managed engineering budgets, reallocating resources to prioritize high-impact projects and improve ROI.
- **Enhanced team collaboration and retention** by fostering a culture of accountability and innovation across all engineering functions.

Director of Software – Digital Ally Inc. – Lenexa, KS

January 2014 – June 2024

Lead the software team to design and deliver innovative solutions for law enforcement and commercial applications, ensuring alignment with market needs and company goals.

Key Highlights:

- **Drove Cloud-Based Innovation:** Guided the development and launch of EVO GovCloud Evidence Capture System, FleetVu Manager Video and Driver Behavior System, and internal tools, positioning the company to meet evolving customer demands.
- **Improved Efficiency:** Implemented process improvements and streamlined workflows, enabling the delivery of quality products.

- Fostered Team Growth: Built a high-performing engineering team, mentoring members in programming best practices and aligning individual skills to optimize outcomes.
- Cultivated a collaborative and innovative team culture, driving long-term success and team retention.

Consulting Engineer – SmartMed USA – Lenexa, KS

June 2012 – December 2013

Co-lead the engineering efforts to design and deliver the first working prototype of the StatPAP, a medical device aimed at improving emergency patient care, ensuring readiness for market entry and compliance with FDA standards.

Key Highlights:

- **Delivered Working Prototype:** Successfully designed and developed the StatPAP prototype, managing schematic creation, PCB design, and embedded software development within a six-month timeline.
- **Innovated for Cost and Performance:** Created modular software architecture and flow-based breathing algorithms that enhanced device performance and reduced manufacturing costs.
- **Ensured Compliance:** Established engineering quality control processes to meet FDA submission standards.
- **Delivered high-quality results under financial constraints,** showcasing resourcefulness and technical expertise across several disciplines.

President and Lead Engineer – Zebo Corporation – Lenexa, KS

2010 – 2012

Created and led the development of Zebo's product line, focusing on both hardware and software solutions for remote telemetry technologies. Created database driven web applications, designed Sub-1GHz sensors and cellular base stations, and played a key role in day-to-day operations.

Operations Manager – The Farnham Company – Lenexa, KS

2001 – 2010

Oversaw operational and property management responsibilities, gaining hands-on experience in leadership, project management, and real-world problem-solving. Developed custom management applications to streamline operations, trained employees, resolved tenant issues, and handled emergencies.

Education

Kansas State University, Manhattan, KS / Bachelor of Science in Applied Mathematics and Statistical Analysis

Technical Skills

Amazon Web Services (AWS – EC2, S3, RDS, Lambda, API Gateway, CloudWatch, Serverless), Node.js, SQL, RESTful API Development, C++, JavaScript, TypeScript, HTML/CSS, Vue.js, Express.js, PCB Design/Layout, Electrical Circuit Design, Linux, Git, FFmpeg, 3D Printing (FDM/SLA), API Integration (REST, JSON), Arduino/Espressif/Pi, Application Debugging, CI/CD Pipelines, Jira, Trello, GitHub, Postman.

Extras

Storm Chasing Tours – Violent Skies Inc. | 2000 – 2006

Founded and operated a storm chasing company, leading multi-day tours across the Midwest using custom-designed equipment and applications to safely intercept and study severe weather.