

James Staud

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Summary

I'm a tech enthusiast who turns big ideas into practical solutions, with a track record in running startups, guiding engineering teams, and building cloud systems and innovative apps.

Skills

Azure, OpenShift/K8s, GitLab CI/CD, HashiCorp Vault, PostgreSQL, Semantic Kernel & Autogen, MLOps, AWS, GCP, Terraform, Git, Splunk, NoSQL, Software Architecture, iOS Development, ArgoCD, Splunk

Experience

Mouser Electronics | Mansfield, TX **DevOps Architect | 01/2024 - Present**

- Led the design and implementation of the company's DevOps platform, collaborating with cloud engineers, leadership, and development teams to set standards and create training programs. This initiative accelerated the use of advanced cloud technologies like Kubernetes, Azure, containers, and GitLab pipelines through Infrastructure as Code (IaC) techniques, enhancing operational efficiency.
- Partnered with the senior leadership and an innovation team to build a robust, security-focused AI cloud platform. This platform enabled high-impact AI projects, significantly boosting the company's capabilities and achieving a market-leading solution with Microsoft's collaboration.
- Directed a groundbreaking AI project with the innovation team, CEO and various departments, utilizing technologies such as Semantic Kernel, Autogen, Azure AI Search, Snowflake, and Azure OpenAI. This project initiated significant architectural investigations and set the stage for future AI advancements, adding substantial value to the company.

Mouser Electronics | Mansfield, TX **Sr. Systems Engineer | 08/2023 - 01/2024**

- As a Sr. Systems Engineer at Mouser Electronics, I was involved in designing and optimizing critical systems and infrastructure.
- I helped with migration to GitLab from Jenkins for CI/CD pipeline management, which streamlined development and deployment processes.
- I worked with OpenShift to manage containerized applications and orchestrate deployments, ensuring scalability and reliability.
- My role involved troubleshooting and resolving technical issues, automating processes, and integrating new technologies to enhance system performance.

Cloud 9 Perception | Fort Worth, TX **Cloud Architect | 06/2023 - 08/2023**

- As a Cloud Architect, I was instrumental in designing and building a scalable iOS-centric AI vision platform.
- Designed a robust architecture capable of handling large-scale data extraction and synthesis for enterprise ERP systems and human users, utilizing load balancers, serverless deployments, and asynchronous processing.
- Developed a highly optimized cloud API, utilizing technologies such as queues, microservice architecture, and container orchestration to enhance performance and reliability.
- Implemented distributed cloud and edge computing methodologies to ensure the platform's efficiency and scalability.
- I collaborated with engineering teams to deploy and maintain the platform, addressing technical challenges and driving continuous improvement.

Cloud 9 Perception | Fort Worth, TX **Platform Architect | 09/2022 - 06/2023**

- In this role, I was responsible for shaping the technical foundation and direction of our platform.
- I led the development of full-stack solutions, including backend design and implementation, microservice development, and iOS application integration.
- My work involved architecting scalable and secure platforms to support advanced AI applications, ensuring alignment with the company's strategic goals.

- I managed the end-to-end lifecycle of production deployments, overseeing the stability and scalability of our flagship product, NeuralStack.
- Additionally, I directed the integration of cloud and edge computing technologies, optimized data extraction and processing, and ensured seamless interaction with enterprise ERP systems.

Cloud 9 Perception | Arlington, TX
Design Engineer | 06/2020 - 09/2022

- In this role, I led the design and development of innovative engineering solutions, focusing on advancing the company's product offerings and technical capabilities.
- I managed software development teams and guided them through complex design and engineering challenges.
- My responsibilities included overseeing the creation of technical aspects of sales proposals and leading design sprints to prepare for the launch of our flagship product line, NeuralStack.
- I played a key role in business development and marketing efforts, ensuring that our engineering solutions aligned with market needs and customer expectations.

Cloud 9 Perception | Arlington, TX
VP of Engineering | 11/2018 - 06/2020

- In this role, I spearheaded the development and management of complex, multi-sensor machine vision systems.
- I was responsible for overseeing the full lifecycle of product development, from concept to production. This included designing and architecting advanced systems, managing project milestones, and coordinating with hardware and software vendors.
- I led the engineering team in implementing a patented pallet perception system, ensuring its successful deployment and integration into industrial environments.
- My responsibilities also involved strategic planning, setting development goals, managing budgets, and ensuring high standards of product performance and reliability.

Cloud 9 Perception | Arlington, TX
Co-Founder | 11/2016 - 11/2018

- As a co-founder and leader, I guided the company through growth phases, focusing on scaling operations and optimizing product development.
- Oversaw R&D and software development, setting strategic goals and milestones for efficient execution.
- Managed key client relationships and ensured high standards of quality and functionality.

WRHowell | Everman, TX
Software Development Manager | 11/2015 - 08/2016

- Led a team of developers in designing, implementing, and testing down-hole pump system control software.
- Managed both project and technical aspects, including developing a simulator system for operator training, programming PLCs for control systems, and creating e-commerce and web applications.

Black Optex | Euless, TX
Optoelectronics Engineer | 09/2013 - 09/2014

- Assisted in developing digital vision systems and managing technology implementations.
- Focused on developing low-cost digital night vision system.

Education

University of Texas at Arlington | Arlington, TX
Computer Engineering | 12/2015

- As a Research Assistant I led projects on human gesture recognition and foot traffic analysis, demonstrating skills in data analysis and sensor integration.
- Published papers presented at conferences, showcasing research, documentation, and communication abilities.
- Gained hands-on experience with technologies like Kinect and Oculus Rift, highlighting expertise in system integration and automation.
- Helped relaunch mobile development student org called Mobi, won hackathons, and built UTA radio app.

Languages

Python, C#, Swift, C++, Bash, C, Java