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Summary

DevOps-Focused Engineering Leader with over 10 years of experience in software development, data automation, and cloud infrastructure projects. Skilled in Python, SQL, and JavaScript with deep expertise in AWS and CI/CD pipelines. Proven track record of leading high-performing engineering teams, implementing DataOps best practices, and architecting scalable solutions that drive business objectives. Passionate about mentoring junior developers, fostering cross-functional collaboration, and continuously improving development processes through automation and innovation.

Professional Experience

Renaissance Learning — Senior Software Engineer
Remote | May 2023 – May 2025

- Created POC for AI-driven lesson ingestion pipeline using existing Teacher's lessons (Google Slides, PPTX) and converts images using Google Vertex AI into context for our inhouse Ai Agent sdk called Np-Agents that then talk to Openai. Using structured output create lesson activties like questions, time-to-climb mini games back into the Teacher's lesson.
- Developed Python utilities for evals used in ML fine-tuning processes, I branched and fixed openai/evals repo to work with thinking models.
- Led cross-functional team of 3 developers in my pod working on implementing standards for an over 700k LOC monolith, implementing modern architectural patterns from Symfony PHP while ensuring backward compatibility
- Worked on microservice-based Ai Agent SDK using JavaScript/TypeScript (NestJS), developing comprehensive capabilities that I then leveraged in my MLX Fine-tuning Project I presented on in an internal company Podcast
- Created gitlab CI/CD automation workflow that improved code quality through automated testing in our PHP monolith
- Developed a Python-based MCP Server for promptcrafting hosted on github & created a repo for .cursorrules as a toolkit for AI integration that was adopted by 30+ engineers across the organization

Radfab — DevOps Consultant · Software Engineer
Laguna Niguel, CA | Mar 2015 – Present

- Architected Python backend server for a Fallout TV series companion game, collaborating with stakeholders from Aspect, Amazon Prime Video & Bethesda.
- Implemented e-commerce digital asset management system for Carparts.com ($**PRTS**) deployed with Jenkins on Kubernetes (AWS EKS) with Python microservices. I created a standarized communication between microservices with Apache Kafaka. Created a Multi-Threaded Messaging service with Kafka

consumer processing messages faster that yielded 500% increase in messages processed. Cutting down processing vendors uploading images from taking 30 seconds to under 5 seconds to then be uploaded to s3 and through our worfklow taking meta data about the product it's associated with to be then added to cloundinary to show up on the product page on carparts.com

- Developed Python automation scripts and orchestration workflows for data processing and integration with AWS Snowflake improving the way the client uses that data in Mixpanel.
- Created Python backend service for Arsonal.com, implemented a full text search using Algolia + Vertex AI visual search solution, ensuring both internally and for clients that could pull up relevant project's they've worked on. The Vertex AI piece was critical to get more metadata that capture for a project.
- Implemented Python-based data processing pipelines to extract, transform, and load product information across multiple e-commerce platforms (Amazon, Etsy, Shopify)

Ethika, Inc. — Senior Web Developer · DevOps
Lake Forest, CA | Apr 2018 – May 2023

- Owned technical roadmap for order and shipping systems, implementing AWS Lambda + API Gateway solution that improved performance by 250%
- Led cross-functional meetings to align development priorities with business needs, effectively communicating complex technical concepts to non-technical stakeholders
- Mentored and pair-programmed with junior & midlevel engineers. Also held ritual code reviews, worked with CTO for organizing team outings like paintball, escape rooms and lunches for team bonding.
- Architected and implemented advanced caching strategies with Redis, optimizing API performance and scalability for high-traffic periods
- Developed and implemented Python scripts for automation of deployment version semvar, and for internal deployment processes.
- Migrated frontend code to AWS S3 for storage and AWS cloudfront for caching, reinforcing a culture of quality and continuous improvement in CI/CD.Created comprehensive CI/CD documentation and automation using GitHub Actions, enabling standardized deployment procedures
- Integrated quality engineering standards into the SDLC and implemented CI/CD pipelines for dev, staging & production environments using Github Actions.
- Transitioned the website to a Single Page Application (SPA) using Vue.js, deploying it on AWS S3 and CloudFront for scalable and secure content delivery, which enhanced performance and caching.
- Launched a React-Native app with seamless backend integration using AWS Lambda, and AWS CloudWatch for real-time monitoring, enhancing mobile user experience and operational reliability.
- Managed and optimized RESTful PHP backend on AWS EC2 and responsible ensure scalablility during spikes in traffic.
- Created comprehensive technical and business-level documentation for system architecture, controls, and processes for SOC 2 readiness

Utelogy Corporation — Lead Software Developer
Costa Mesa, CA | Nov 2016 – Apr 2018

- Provided technical leadership to junior developers, mentoring them in best practices for in their development. I would work with them on pair programming, code reviews and also team bonding.
- Integrated Utelogy's software on Microsoft's campus in Redmond, WA for Azure security team. Went through extensive QA and trials to ensure reliability and meet Microsoft's Azure's specifications. The feature developed allowed them to cast dashboards and real time streams on over 100 monitors as a video wall that was controlled with components that became part of Utelogy's core offerings.
- Instrumental in architecture of U-Control 2.0, a C# and .NET-based MVC to control and read from AV/IoT devices in real time. Software was hosted on-prem enabling users to control their devices and manage those controls available through a WCF and JavaScript UI, allowing user customization.
- Deployed the component-based frontend as a remote dashboard hosted on Azure App Services and Virtual Machines which provided IT professionals with critical insights and control to their devices, leading to an adoption of over 600%, used at over 300 schools just in Southern California.Developed and executed comprehensive testing strategy for AV/IoT device integration, ensuring robust functionality and reliability
- Implemented and optimized SQL queries for data storage and retrieval, integrating with real-time dashboards hosted in Azure
- Participated in daily stand-ups and sprint planning meetings, collaborating with project managers to ensure timely delivery of features

Technical Skills

- Languages & Frameworks: Python, SQL, JavaScript/TypeScript, Bash, PHP, C#, NestJS, Symfony
- Cloud & DevOps: AWS (Lambda, EC2, EKS, Snowflake), CI/CD automation, GitHub Actions, Infrastructure-as-Code
- Data & Automation: API development, data pipelines, caching strategies (Redis, Elasticache), database optimization
- AI & Tools: MLX Finetuning, MCP Model Context Protocal servers, Ai Agent, Prompt engineering, Aider, Cursor, generative AI integration
- Collaboration: Agile methodologies, technical documentation, cross-functional leadership

Awards

Bronze | Clios Digital Entertainment   Dec 2023
https://clios.com/entertainment/winner/theatrical-film-digital-mobile/lionsgate/sisu-151210

Excellent References available upon request.