Adam Kaewell

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Summary:
Motivated software engineer with 10+ years of experience engineering applications for high-volume clients. I enjoy working on a personal server, designing web applications.

Professional Experience:

Scala Computing Oct 2024 - Jun 2025
- Architected and designed microservices for client access to their emulated and simulated networks. The platform provided a visual and editable experience for deployment scaling and performance testing.
- Developed Textual application for user interfaces providing VM details, Python scripts to access the platform API with typed model responses, coded Python scripts with ssh key management, software package installation for access to AWS bare metal servers.
- Built a pipeline to communicate with the Firecracker VM which provided access to client VMs with a custom terminal within Textual widgets. Coded asynchronous workers to handle multiple connections to the VM network. Scripted Sqlite3 database manager for access to multiple Firecrackers and common platform topology databases.
- Assisted in organization of resources for AWS pipelines for development, maintenance, and testing.

Xometry (**Maketime**: 2015 - 2018) | Feb 2015 - Jan 2022
- Developed a monolithic application written in Python - Flask framework, with a dynamic React.js user interface that provided over fifty thousand users with services for machined parts. Built Flask routes delivering shipping details, quote pricing from communication with internal APIs, editable CAD details within forms providing materials / finishing options, machining options, and part calculations.
- Architected and designed microservices with GraphQL providing lists of structured typed company seller data, React.js components providing form data and company details, escorting user data into FastAPI for ML pipelines delivering quote pricing, part analysis
- Delivered devops infrastructure: coding IaC scripts for developers including deployment to environments, Kubernetes maintenance for containerized application development, creating Bastion hosts for security, Ubuntu server maintenance, Docker container development, Bash scripting for running software / daemons on servers

Computer Skills:
Frameworks: Ruby on Rails, Sinatra, Flask, Fastapi, Textual, Node.js, React.js, Ember.js,
Data Management: Postgres, Mongodb, AWS Rds, Redis, Sqlite3, DynamoDB
IaC Tools: Terraform, Ansible, Helm Charts, Pulumi, Gitlab
App Development: Docker / Podman, Kubernetes, Github, Datadog

Core Skills:
Core Qualities: Effective Speaker, Technical Documentation, Team Coordination, Leader
Agile Experience: Scrum, Kanban, CI/CD, Testing, Logging, Monitoring & Debugging