

Ross Kuehl

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Target Role: Staff AI Platform Engineer & Agent Orchestration Lead

Professional Summary

Full Stack AI Software Engineer with 7+ years of experience building distributed backend systems, AI-enabled applications, REST APIs, and cloud infrastructure. Skilled in Python, C#, React, and AWS with focus on LLM integration, RAG pipelines, and AI agent orchestration. Passionate about scaling intelligent systems from prototype to production.

Technical Skills

- 1 Architectures & Languages: Python, C#, TypeScript/JavaScript, SQL, event-driven design
- 2 AI/ML Lifecycle: LLM fine-tuning, agent tooling, RAG pipelines, prompt strategy, vector databases
- 3 Backend & Platforms: .NET, FastAPI, Django, gRPC, streaming services, microservices at scale
- 4 Frontend & Product: React, design systems, real-time data visualizations
- 5 Cloud & DevOps: AWS (Lambda, ECS, S3, API Gateway, SageMaker), Docker, Terraform, CI/CD (GitHub Actions)
- 6 Data & Storage: PostgreSQL, DynamoDB, Redis, lakehouse patterns
- 7 Delivery Practices: Technical leadership, security-first design, automated testing, observability

Professional Experience

Senior Software Engineer — Stealth Startup (Dec 2022 – Present)

- 1 Architected cloud-native backend systems using Python and AWS.
- 2 Built REST APIs and AI data pipelines to power automation.
- 3 Integrated LLM services to enhance product intelligence.
- 4 Standardized CI/CD with Docker to improve deployment reliability.

Senior Software Engineer — AutoStore (Jun 2019 – Dec 2022)

- 1 Developed distributed backend services in C# and Python for warehouse automation.
- 2 Optimized API latency and improved system throughput.
- 3 Led AWS migration for legacy systems.
- 4 Mentored developers in testing and system design.

Software Engineer — Shaw Industries (Jun 2017 – Jun 2019)

- 1 Built full-stack apps for manufacturing and logistics.
- 2 Automated reporting, reducing manual effort by 40%.
- 3 Designed SQL schemas and optimized stored procedures.

Education

Bachelor of Science – Business Administration, Longwood University (May 2017)