Christopher Schiller

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SUMMARY

Senior Software Engineer with 8+ years of experience designing and delivering scalable backend systems, cloud-native platforms, and production AI applications across the advertising and education industries. Expertise in Python, FastAPI, Databricks, PySpark, SQL, microservices, REST APIs, distributed systems, LLM applications, RAG, Agentic AI, Salesforce CRM, Salesforce API integrations, Salesforce Flow, and AI-powered workflow automation. Skilled in integrating Salesforce with enterprise applications and building intelligent, data-driven automation solutions.

SKILLS

AI Automation & Agents: Agentic AI | Agentic Applications | Multi-Agent Orchestration | Agentic Workflows | AutoGen | AI Agent Development | AI Workflow Automation | AI-Assisted Software Development | AI-Powered Process Automation | Applied LLM Engineering

AI/ML Tools & Platforms: LLMs | RAG Pipelines | LangChain | LangGraph | LangSmith | Langfuse | OpenAI | Claude | Anthropic LLMs | Generative AI | Multimodal AI | Text-to-Image | Text-to-Speech | Speech-to-Text | Deepgram | LiveKit | n8n | Embeddings | Vector Databases | Cursor | Claude Code | Prompt Engineering | AI Integration | Pinecone | Databricks | Apache Spark | PySpark | Delta Lake | MLflow | Salesforce

Programming Languages & Frameworks: Python | JavaScript | TypeScript | React | Next.js | Node.js | FastAPI | Flask | SQL | Nuxt.js | Django | Vue.js | PostgreSQL | GraphQL | C# | .NET

PROFESSIONAL EXPERIENCE

Senior AI Software Engineer 11/2023 – 10/2026

Laptop Freedom Orlando, FL

- Architected the Rocketeer ads platform as a scalable software system using Python, FastAPI microservices, PostgreSQL, and Databricks, onboarding thousands of non-technical entrepreneurs and enabling sub-10-minute campaign launches with 6x faster time-to-first-ad.
- Built and optimized Databricks / PySpark data pipelines to ingest, transform, and prepare campaign, audience, and performance data for downstream analytics and AI workflows, improving data processing reliability and scalability.
- Integrated the Facebook Marketing API and Mapbox to enable end-to-end campaign management with geographic targeting, reducing campaign setup errors by 70% and eliminating reliance on Meta Ads Manager.
- Architected a multi-stage LLM + RAG pipeline in n8n using Claude, Pinecone, OpenAI embeddings, and Gemini to generate structured Facebook ad campaigns from business and campaign context.
- Applied prompt engineering, schema-constrained outputs, validation, and structured data pipelines to improve reliability across Rocketeer's AI Ad Builder and reduce malformed or inconsistent model responses.
- Applied LLM evaluation and observability with LangSmith, Claude Code, and LangGraph to benchmark ad quality, compare emerging models, and define model-selection criteria that guided the platform's long-term AI investment strategy.

- Built containerized infrastructure and MCP-based integrations with CI/CD pipelines using Docker, Terraform, and GitHub Actions, reducing deployment time by 80% and supporting weekly releases with near-zero production incidents.
- Mentored junior developers through code reviews, pair programming, and architecture guidance across Python, Node.js, and React, cutting new-hire ramp-up from one month to one week while improving code quality and team velocity.

Full Stack Engineer 05/2021 – 10/2023

Edovo Chicago, IL

- Engineered scalable backend services and RESTful APIs using C#, .NET, and SQL, supporting financial analytics, secure authentication, and reliable student data processing.
- Led full-stack development and architecture for AI-powered education applications using React, Next.js, Nuxt.js, TypeScript, Python, and GraphQL, improving learning workflows and student-instructor communication.
- Developed concurrent backend services with FastAPI and WebSockets to support real-time voice streaming, speech-to-text transcription, and simultaneous audio sessions in live classroom environments.
- Built multimodal AI learning assistants and LLM-powered automation using OpenAI SDK, Anthropic models, Whisper, Deepgram, and LiveKit, enabling conversational tutoring, lecture transcription, automated lesson planning, and content summarization.
- Designed retrieval-augmented generation (RAG) pipelines and vector database architectures for multimodal educational data, delivering context-aware learning insights while supporting FERPA compliance requirements.
- Deployed and optimized production AI workloads using AWS SageMaker, Amazon Bedrock, and Terraform across cloud environments, reducing inference costs by 40% while supporting millions of monthly requests.
- Developed AI-driven summarization systems that generated lecture notes, study guides, and session summaries, reducing instructor documentation time by 40% across 10,000+ monthly learning sessions.
- Integrated Salesforce CRM with education platforms using Salesforce REST APIs, Python, .NET, Apex, SOQL, and Salesforce Flow, automating enrollment synchronization, student onboarding, case management, and administrative workflows.

Full Stack Developer 06/2017 – 04/2021

Google Chicago, IL

- Joined Google as a Junior Software Engineer after completing an internship, contributing to backend engineering and internal developer infrastructure within a large-scale production environment.
- Contributed to the development and enhancement of shared backend services, helping streamline the delivery of new product features and improve engineering efficiency.
- Optimized API endpoints and backend request workflows, improving response times and reducing unnecessary processing across high-traffic services.
- Improved the reliability, scalability, and maintainability of internal infrastructure by identifying performance bottlenecks, resolving service issues, and implementing backend improvements.
- Developed and maintained reusable tools, services, and infrastructure components that simplified system integrations and helped engineering teams build and deploy features more efficiently.

EDUCATION

Bachelor's degree 08/2013 – 05/2017

Illinois State University Chicago, IL