





Jacob Andrew Smith

SOFTWARE ENGINEER

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SKILLS

General

• Project management • Cross-team collaboration • Documentation • Outage management

Technical

• Frontend and UI development • Backend and API development • Event-driven programming
• Database schema design & migration • SDK management • Observability
• Third-party integrations

Tools & Languages

• Node.js • Go • Javascript • Python • TypeScript • Next.js • Redux • TDD • Postgres
• Redis • CI/CD pipelines • Docker • Git • Github Actions
• AWS: ECS, S3, Lambda, DynamoDB, CloudWatch, API Gateway and more
• LangChain • Pydantic • Vertex AI • OpenAI

Open Source & Side Projects

• Creator of Open Source CLI tool built in Go for managing CI/CD pipelines
• An AI-native research and content orchestration system written in Python leveraging LangChain on GCP leveraging Cloud Run, Cloud Storage, Firestore and Firebase

EXPERIENCE

Smartcar, Inc.

Software Engineer II | Feb 2023 - May 2025

- Designed and built scalable APIs for the Smartcar platform using Express.js, supporting over 10M+ requests/day.
- Partnered with cross-functional teams to shape product direction, aligning technical solutions with the needs of Sales and Customer Success.
- Led a cost-saving migration, reducing expenses by nearly \$400K by transitioning to a lower-cost data delivery solution under a tight deadline.
- Maintained and updated SDKs across 5+ languages (Python, Ruby, Go, Java, Node.js), resolving issues and improving developer experience.
- Built CI/CD pipelines from scratch, reducing deployment friction and improving release reliability.
- Built tailored APIs and integrations that supported three key customer segments—reducing on-boarding time for partners and expanding platform reach.
- Built a hybrid serverless pipeline with Kinesis, Lambda, SQS, S3, and CloudFront, integrating with ECS to process and deliver real-time events at scale.

Newsela Inc.

Software Engineer | June 2022 - Feb 2023

Built scalable UI systems at Newsela, a leading K-12 edtech platform, ensuring pixel-perfect execution and high development velocity. Led cross-functional feature launches, driving accessibility, performance, and user experience excellence.

Change Healthcare

Team Lead, Cloud Software Engineer III | June 2020 - June 2022

Software Engineer I | Oct. 2018 - June 2020

Contributed to a healthcare cost transparency solution enabling 100k+ members to compare procedure costs and providers, and led engineering efforts on a patient portal built with React, Go, Lambdas, API Gateways and AWS Fargate to empower users in managing their healthcare decisions.

EDUCATION

Web Development Certificate

Nashville Software School | April 2018 - Sept. 2018

Bachelor of Science, Audio Production

Middle Tennessee State University | 2011-2014