DYLAN SMITH

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Software Engineer with nearly 3 years of experience building and shipping production full-stack, backend, and AI-powered applications across AWS infrastructure. Builds with AI-assisted development tools (Claude Code, GitHub Copilot) as a core part of daily workflow. Track record leading engineering teams through global production rollouts.

EXPERIENCE

Evertz Microsystems (Burlington, ON - Hybrid) May 2024 – Sept 2025
Full Stack Engineer (Co-op)

- Engineered and owned 6 scalable backend microservices on AWS supporting thousands of requests per day.
- Designed and shipped an AI-powered video caption transcription feature for live broadcasts, owning the pipeline from prototype through production.
- Integrated features with front-end systems and partnered with QA to design end-to-end test coverage.
- Architected service observability using OTel and Honeycomb, cutting debug time by surfacing issues faster.
- Used AI-assisted development tools (Claude Code, GitHub Copilot) daily to accelerate delivery without compromising quality.

Keeper Inc. (Remote) Jan – Sept 2021, returned summers 2022, 2023
Full Stack Engineer

- Served as lead engineer for a team of 10+ software and QA engineers, leading technical meetings and collaborating directly with client stakeholders.
- Partnered with the U.S. government VA department to build and deliver VLM, a mission-critical application serving millions of veterans and their families (see Projects), using Next.js, Python, and hosted with AWS.
- Conducted coding interviews and led recruiting for new developers, including training and onboarding.
- Designed CI/CD pipelines using CodeBuild/CodeDeploy and Jenkins, reducing deploy times from ~2 hours to <10 min.
- Built Jest and Cypress e2e test suites covering ~90% of critical workflows to improve code quality and catch regressions.

Queen's University SAE Autodrive (Kingston, ON) Sept 2021 – Aug 2022
AI Developer

- Worked in an agile team of 30+ engineering students competing in the GM SAE Autodrive competition.
- Programmed AI and computer vision algorithms using PyTorch and TensorFlow for real-time vehicle perception.
- Analyzed data to guide algorithm design; presented technical designs and tradeoffs to team leads.

PROJECTS

evertz.io — evertz.io *2024 – 2025*. Broadcasting service platform, including the AI-powered caption transcription feature. *Python • Boto3 • Pytest • AWS (Lambda, CloudFormation, CloudWatch, EC2, ECS) • GitHub Actions • Claude Code*

Veteran's Legacy Memorial (VLM) — www.vlm.cem.va.gov *2021 – 2023*. Government-hosted application for the U.S. Department of Veterans Affairs. *Next.js • Python • AWS • REST APIs • CI/CD*

Professional Portfolio Website — dylansmith.vercel.app *2020*. Personal portfolio and project showcase. *Next.js • Vercel*

EDUCATION

Queen's University, Kingston, ON *2026*
Bachelor's Degree, Computer Engineering — Software Engineering/AI Specialization

SKILLS

AI & LLM Tooling: Claude Code, GitHub Copilot, RAG, Ollama, LLM, AI-Assisted Development, Agentic AI, PyTorch, TensorFlow, Computer Vision

Cloud & Infrastructure: AWS (Lambda, CloudFormation, CloudWatch, S3, ECS, EC2, IAM, RDS, CodePipeline), Docker, CI/CD, DevOps, Observability (OTel, Honeycomb), YAML

Languages & Frameworks: JavaScript, TypeScript, Python, HTML/CSS, React, Next.js, Redux, Node.js, Express, RESTful APIs

Tools & Practices: Git/GitHub, GitHub Actions, Jenkins, Jira, Confluence, GraphQL, Prisma, Supabase, Linux, Microservices, OOP, Boto3, NumPy, Pandas, Pytest, FFmpeg