

Sanjay Deoram

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Technical Skills

Languages: Python, TypeScript, Java, JavaScript, HTML5, CSS3, SQL

Frameworks & Libraries: React, FastAPI, Django, Node, Next, Redux, Tailwind CSS, MongoDB, PostgreSQL

Tools: AWS S3, AWS Lambda, Git, GitHub, Claude Code, Kubernetes, Linux, Docker, Jira

Work Experience

MPAC

09/2024 - 03/2026

Software Developer

- Built and owned a serverless REST API using Python, AWS Lambda, API Gateway, S3, SQLAlchemy, and PostgreSQL, processing **20,000+** building permit submissions per month.
- Delivered a real-time workforce dashboard used by directors to track assignments across **20+** inspection teams and **100+** field inspectors, enabling live visibility from team-level overviews down to individual workloads and reducing the need for manual status check-ins.
- Migrated **100+** municipal and vendor tenants from Auth0 to AWS Cognito with no downtime, retiring a legacy authentication system and consolidating authentication on AWS.
- Refactored all promise-based CRUD calls across the entire codebase to TanStack Query, eliminating redundant network requests and cutting page load times by **35%** through server-state caching and optimized re-fetching.
- Implemented Google Maps, Apple Maps, and Mapbox APIs to enable real-time tracking of **200+** field devices, giving operations teams live location visibility across all active inspectors.
- Translated **15+** Figma mockups into responsive, production-ready React components, building a reusable component library that improved development speed and maintained visual consistency across the application.
- Authored comprehensive developer onboarding documentation including setup guides, tech stack references, and repo walkthroughs, reducing new hire ramp-up time by an estimated **40%** across **3+** project teams.

Nventure

07/2023 - 09/2024

Software Developer

- Developed a Python script on AWS Lambda to process and transfer client files from an SFTP server to an S3 bucket, integrated with SharePoint REST API and external partner's API, slashing manual processing by **180** hours per quarter.
- Engineered an automated scheduler for Instagram stories and Podbean podcasts using Next.js, TypeScript, Tailwind CSS, AWS RDS, AWS S3, Prisma, and Vercel, reducing manual intervention by **50%**.
- Managed a cross-company AI initiative between our internal team and an external AI partner, restructuring data collection forms to enforce type safety and expand input fields, resulting in a **25%** improvement in model predictive accuracy and stronger data quality ahead of a funding round.
- Mentored **10+** high school students in building an MVP prototype using React, JavaScript, and Python for the Pitch to the Chief competition, guiding them from ideation to demo-ready product.
- Devised an AWS Lambda script in Python using Auphonic's workflows API to automate podcast audio processing, streamlining production and reducing manual effort by **80%**.
- Utilized Python and pandas to consolidate and clean historical program Excel files into a master database, improving report generation speed by **30%**.

Windsurf (Codeium)

01/2023 - 08/2024

Content Creator - Contract

- Generated **100,000+** monthly views across TikTok, YouTube, Instagram and Twitter by producing short-form video content showcasing new features and developer workflows.
- Produced and edited **25+** short-form content pieces each month, resulting in a **35%** increase in follower count and enhancing brand visibility.

Rubicon

05/2022 - 10/2022

Full Stack Software Developer - Internship

- Created a web-based Freedom of Information request system using HTML/CSS, JavaScript, React.js, Stripe.js, FastAPI, and Twilio API, enabling **1,000+** successful user requests within the first three months.
- Owned the client feedback loop end-to-end, gathering requirements directly from **10+** officers, translating needs into engineering solutions, and delivering changes that improved client satisfaction by **24%**.
- Eliminated manual report distribution entirely by building a FastAPI-powered REST API with full CRUD functionality for a police bulletin system, integrating Twilio to automate direct report delivery to officers.

Education

Ontario Tech University (OTU)

Completed

Bachelor of Science, Computer Science