

Sanjay Deoram

Full-Stack Software Developer

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Technical Skills

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

Frameworks & Libraries: Django, Node.js, React.js, Express.js, Next.js, Redux, Tailwind, Flask, MongoDB, PostgreSQL, PyTest

Tools: AWS S3, AWS Lambda (FaaS), Git, GitHub, Kubernetes, Linux, Docker, Jira

Other: Agile Development Methodology, Scrum, REST APIs, OpenAI, Bash

Work Experience

Northumberland Community Futures Development Corp

07/2023 - Present

Innovation NGO in Ontario providing financing and strategy services for entrepreneurs and budding startups; \$12.2M in funding
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 hours by **180** per quarter
- Engineered an automated scheduler for Instagram stories and Podbean podcasts using Next.js, Typescript, Tailwind, AWS RDS, AWS S3, Prisma, and Vercel. Led to a **35%** increase in posting efficiency and a **50%** reduction in manual intervention
- Managed a collaborative AI project with an external client, directing administrators in the submission of curated data. Ensured high-quality data input, which enhanced the AI model's performance and predictive accuracy by **25%**
- Created an MVP AI model using Scikit-learn's Random Forest to generate a fundability score. Presented the model to the Board of Directors, securing project approval to collaborate with an external AI company
- Wrote documentation and guided over **10+** high school students in developing an MVP prototype using React, HTML, CSS, JavaScript, Python for the "Pitch to the Chief" competition
- 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%**

Codeium AI

01/2023 - Present

AI coding toolkit with world-class ML and cutting-edge AI to help developers ship code faster and improve reliability

Content Creator - Contract

- Consistently generated **100,000+** monthly views across all platforms by producing and posting compelling short-form video content, showcasing new features and usage tips for Codeium AI
- Produced and edited **25+** short-form content pieces each month, resulting in a **35%** increase in following count and enhancing brand visibility

Rubicon

05/2022 - 10/2022

Security and law enforcement agency with innovative software and hardware tools to automate workflows, and improve service

Full Stack Software Developer - Internship

- Created web-based Freedom of Information request system with HTML/CSS, Javascript, React.js, Stripe.js, Flask & Twilio API; enabled **1,000+** successful requests by users within the first three months
- Programmed **15+** React.js components, resulting in **50+** hours of development time cut on a monthly basis, reducing labor costs by **\$26K** per year
- Integrated feedback from a total of **20** clients, along with engineering considerations, to develop and deliver customized solutions that solved complex challenges, boosting client satisfaction by **24%**
- Integrated Google reCAPTCHA and a customized Stripe payment system, reducing spam submissions by **22%** and transaction processing time by **70%**, respectively
- Built REST API with Flask and pytest for a bulletin system, enabling TwilioAPI email notifications. Boosted communication by **~25%** and cut response time by **15%**

Projects

MultiPost - typescript, next, django, postgresql, selenium, tailwind, aws s3

Managing video uploads, scheduling, and analytics across YouTube, Instagram, and Twitter

- Developed a robust video management system integrating YouTube Data API, Meta Graph API, and Selenium, enabling seamless uploading and scheduling of videos to YouTube and Instagram Reels platforms
- Designed and implemented a comprehensive dashboard analytics page, providing real-time insights into the performance metrics of the most recent videos, such as views, engagement, and audience demographics

Education

Ontario Tech University (OTU)

Completed

Bachelor of Science (B.S.) - Computer Science