

Devin T. Singh

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EDUCATION & OTHER

Bachelor of Science in Computer Engineering
University of Central Florida, Orlando FL

Dec. 2020

Active Clearance

WORK EXPERIENCE

Software Design Engineer II

Sept. 2023 - Present

Cole Engineering, Inc.

- Prototyped, designed, and lead the development of a modular monitoring and reporting web app to generate system health reports, used internally and by the military
- Refactored every Grafana dashboard used by the IT team to take broken and legacy dashboards and bring the total number of working dashboards from ~20% to 100%
- Collaborated across multiple teams to host all of the company's internal applications on a Kubernetes cluster, including a custom CI/CD pipeline to deploy, manage, and monitor the applications
- Developed an application to simulate a hospital's IT infrastructure, allowing the client to pen test their network and security infrastructure on demand

Application Developer II

July 2022 - May 2023

K16 Solutions (Remote)

- Developed and maintained a cloud-native application to migrate universities across the top 5 online course hosting platforms
- Responsible for the testing, validation, and monitoring required to migrate thousands of courses over a 4 month period for each project
- Undertook project to refactor Blackboard API endpoints and call wrappers through a major redesign, ensuring 100% parity during active course migrations
- Actively engaged with client representatives to gather feedback, address feature requests, and align sprint goals

Software Engineer

January 2021 - July 2022

Dignitas Technologies

- Developed and maintained the codebase for the company's flagship program as a full stack developer, contributing to numerous build releases
- Acted as a key liaison between the software and test engineer teams, participating in build tests and driving improvements within my own team through personal feedback
- Coordinated across multiple teams and projects in a leadership role to successfully navigate the company's CMMI Process appraisal

Web Developer

May 2015 - January 2020

Center for Distributed Learning

- Project lead for a web application that utilizes Office 365's API to analyze calendar data and automate the population of timesheets for part-time employees across UCF
- Lead Engineer for a web application made to deliver grade data visualizations in a dashboard format to enhance the student experience for UCF's Department of Health Sciences
- Full Stack Developer for Talent Roundup, CDL's hiring and application management suite
- Delegated tasks through GitHub issues and Trello, conducting code reviews, and QA tested code implementation on projects where a leadership role was necessary
- Conducted course content accessibility workshops for faculty, teachers, and staff

Freelance Web Developer

April 2014 - Present

DevinOps

- Developed and maintained websites for clients, including e-commerce platforms, portfolio sites, and custom web applications

PROFICIENT SKILLS

Frontend

- React
- Next.js
- Typescript
- Javascript
- Tailwind/TSS
- Jinja2
- HTML5 & CSS
- SQL
- Redux

Backend

- Django/Flask/
FastAPI
- Node.js
- Typescript (again)
- Java (Spring Boot)
- RESTful APIs
- PostgreSQL
- MySQL
- MongoDB

Devops & Cloud

- Docker
- Kubernetes
- AWS (EC2, S3,
Lambda, ECS)
- CI/CD
- Prometheus
- Grafana
- Github Actions
- Ansible

Scripting & Automation

- Python
- Bash
- Powershell
- Selenium
- Playright
- Docker (again)
- Git

Tools & Tech

- Git
- Github/Gitlab/
Bitbucket
- Linux/Windows/OSX
- Agile Methodologies
(Scrum, Kanban)
- Slack, Zoom, O365

AI & LLM

- Prompt Engineering
- MCPs
- Vector Databases
- OpenAI Platform
- Claude-CLI
- LLM-related APIS
- AI Agent

SELECTED PROJECTS

Vinyl Verdict

vinylverdict.fm

A music analysis platform that allows users to authenticate with Spotify using OAuth and have their music parsed and analyzed by different AI personalities.

Users can hold a mirror to their own music listening history and allow them to reflect and gain insight about themselves for whichever timeline they choose.

Bloom Solutions

bloomsolutionsfl.com

Co-Founder and lead software engineer of Bloom Solutions, which offers software development, SEO, and digital marketing services to clients. We focus on building digital products and business solutions that help our clients grow their business.

From top to bottom, Bloom Solutions offers a full suite of digital services to our clients.

Found IT

sofoundit.com

Community building web application that allows users to seamlessly create and manage communities and events, either through the web app or through SMS.

The core concept is to reduce the friction of downloading or visiting a web application to manage or participate in their community events via SMS.

OTHER RELEVANT INFORMATION

Portfolio: DevinOps.com

GitHub: github.com/devints47

In my time as a software engineer I have learned to work in a multitude of environments and paces. I am a fast learner, quick to adapt, and have experience in project leadership roles