

Smit Panchal



Portfolio

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[Panchal-Smit](#)

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SUMMARY

Diligent Software Engineer with 3+ years of Full Stack Development and Network Automation expertise. Proficient in React, Angular, Python, Javascript, NodeJS, SQL/NoSQL, GCP, AWS, Kubernetes, and Kafka. Exceptional track record of leveraging problem-solving, leadership, and interpersonal skills to propel projects toward success.

EDUCATION

Master Of Applied Computing | Wilfrid Laurier University, Waterloo, ON | GPA:11.6/12

Sep 2022 – Dec 2023

B.Tech, Computer Engineering | Dharmsinh Desai University, Nadiad, India | CPI:8/10

Sep 2017 – Apr 2021

WORK EXPERIENCE

Software Automation Developer Co-Op | [Nokia](#), Ottawa, ON

May 2023 – Aug 2023

- Developed an automation platform using React and Python, reducing infrastructure setup time from weeks to 15 minutes, increasing operational efficiency by 95%, and significantly enhancing demos, PoCs, and the sales cycle.
- Spearheaded the development of a network data extraction and transfer solution using Python, Ansible, and Podman, boosted monitoring efficiency by 40%, and enhanced network performance across production sites by securely transferring critical system data.

Software Engineer | [Rapidops Inc.](#), Ahmedabad, India

Jul 2020 – Jul 2022

- Led the design and backend development of key [Salesmate CRM](#) features using Angular, Javascript, NodeJS, GCP, and Kafka, including a dynamic meeting scheduler, activity reminder, and integrated texting and calling functionalities.
- Implemented REST APIs, Webhooks, Cron-jobs, and optimized database queries within Microservices architecture.
- Successfully migrated databases of over 6500 companies from MySQL to CockroachDB to enhance scalability.
- Provided proactive client support in promptly addressing and resolving issues in the production environment.
- Managed Docker deployments, Kubernetes orchestration, CI/CD pipelines, and debugging through log analysis.
- Adhered to clean code architecture and comprehensive testing using CucumberJS, reducing post-launch issues by 70% and improving overall system reliability and maintainability.

Software Engineer Intern | [Nifty Solutions](#), Vadodara, India

Jan 2020 – Jun 2020

- Mastered a diverse range of technologies, including React, Angular, Java, Python, NodeJS, MySQL, MongoDB, AWS, Kafka, Kubernetes, Docker, and many more through rigorous coursework, and consistently achieved top results.
- Demonstrated expertise through presentations and hands-on projects, such as a User Management System, an intuitive Tree View File Structure, and the innovative HealthCard platform for managing health data.

SKILLS

Programming Languages

Python, Java, C, C++, C#

Web Technologies

HTML, CSS, PHP, Javascript, Typescript

Frameworks

NodeJS, React, Angular, Kubernetes, Docker, Kafka, Microservices, NextJS

Databases

MySQL, Oracle, MongoDB, CockroachDB, SQL Server, Elasticsearch

DevOps and Automation Tools

Ansible, CucumberJS, Git, Postman, Jenkins, Linux, JIRA

Cloud Platforms

Amazon Web Services (AWS), Google Cloud Platform (GCP)

PROJECTS

Helping Hands - Emergency Help and Safety Mobile Application | [Android Studio](#), [Java](#), [Firebase](#)

[GitHub](#)

- A life-saving Android Mobile application, dedicated to providing immediate assistance during critical situations.
- Empowered users to promptly communicate their emergencies and automatically notify nearby volunteers with live user locations via Google Maps APIs, enhancing real-time responses and fostering community support.

CloudDriven - Personal Digital Storage and Secure Sharing | [Angular](#), [NodeJS](#), [MongoDB](#), [AWS](#)

[GitHub](#)

- A cutting-edge Personal Storage solution enables users to upload, download, and share files securely.
- Incorporated a custom-made user-friendly folder structure and introduced QR code functionality for file sharing.
- Integrated a sophisticated Chatbot to enhance user interaction and system comprehension.

Stock Price Prediction using ARIMA and LSTM | [Python](#), [Pandas](#), [NumPy](#), [Matplotlib](#), [TensorFlow](#)

[GitHub](#)

- Solely developed and implemented ARIMA and LSTM models for stock price prediction of Apple, Tesla, and Google, applied Exploratory Data Analysis (EDA), and generated visually insightful Prediction Graphs.

ACHIEVEMENTS

HackerRank Intermediate Problem Solving Certified

[HackerRank](#)

- Acquired proficiency in advanced data structures and algorithms by solving 100+ challenges using **Python**.