Swapnil Kalra

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EDUCATION

Ramaiah Institute of Technology, Bengaluru — August 2015 - July 2019
Bachelor of Engineering in Information Science and Engineering — GPA: 9.34/10
Courses: Data Structures, Design Analysis & Algorithms, Operating System, DBMS

Bishop Conrad Senior Secondary School, Bareilly — April 2013 – March 2015
PCM with Computer Science — Grade: 94%

SKILLS

- **Languages**: Python, Typescript, C/C++, Java, HTML, JavaScript, SQL
- **Technologies**: Angular, Flask, Django, REST APIs, Dockers, Kubernetes, Git, Jenkins.
- **Platforms**: Linux, Ubuntu

EXPERIENCE

Micro Focus, Senior Software Engineer, Bengaluru — March 2022 - Present
- Working to scale AMCA (Agile Methodologies Contrivance Analysis) by deploying it in Kubernetes.

Micro Focus, Software Engineer, Bengaluru — Aug 2019 - Feb 2022
- Developed AMCA (Agile Methodologies Contrivance Analysis)- is a web-based agile project tracking dashboard helpful in tracking epics, stories, bug, and other tasks. It integrates with different tools like ALM Octane, Jenkins and SonarQube. It's built using Angular for User Interface and Python Django for backend, making it a powerful web application.
- Developed Automated Common Appliance Framework (CAF) – for automating the process of downloading OVA files from build server and deployment of the Appliance Virtual machine. Designed in Python with web micro framework flask and VM ware Power cli modules.
- Designed and maintained a simulator tool for ZENworks Mobile Management using Python flask and deployed it using Docker Swarm.

Micro Focus, Project Intern, Bengaluru — February 2019 - July 2019
- Implemented REST APIs using Python Flask and provided clerical assistance to senior project staff. Worked on Dockers, Kubernetes.

PUBLICATIONS

- A Study of Use Cases for Smart Contracts using Blockchain Technology — October 2018

PROJECTS

Night owl Online Book Hub Application (Angular, Typescript, Django)
- Developed an online book hub for viewing, managing and statistical information.

Stock Market Application (Angular)
- Developed a simple stock market application using Angular and Alpha Vantage Stock API. It is deployed on Heroku.

HR Management System using Java Swing and SQL (Java)
- Designed a HR Management system using Java swing and JDBC to manage employee salaries and leaves.

Rock Paper Scissors (Angular, Typescript)
- Created a simple Rock Paper Scissors game and deployed it on Heroku.

Tic Tac Toe Game (Angular, Typescript)
- Created a simple Tic Tac Toe game using Angular and deployed it on Heroku.

Shop Inventory Program (C++)
- A simple program to maintain shop inventory.

AWARDS AND HONORS

- Awarded Rising Star of EPM dept. at Micro Focus — June 2020
- Awarded EPM Dream Team for Developing AMCA dashboard — September 2019
- Infosys Campus Champ Ambassador (Ramaiah Institute of Technology) — August 2017

LICENSES AND CERTIFICATIONS

- Problem Solving (Basic) Certificate — September 2020
- Fundamentals of Database Systems (NPTEL) — October 2017
- Design and Analysis of Algorithms (NPTEL) — April 2017