Prabhav Mehra
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Education

Degree of Computer Science Feb 2019 - Dec 2021

Skills: iOS App Development, DevOps (CI/CD, Microservices, CloudFormation), React, Python, SQL

Work Experience

Full Stack Developer: Australian College of Trade Feb 2020 - April 2021

- Transformed my role from an Admin Assistant to a Developer by proactively identifying ways to digitise paper-based processes.
- Collaborated with various departments to build a digital, real-time assessment platform with Python and SQL. Increased productivity by 25%.

Full-Stack Developer: Live Emotion Recognition Jan 2021 - Present

Demo: https://youtu.be/i3ngJ_3io9c

- Collaborated with psychologists to design, build and deploy a Telehealth platform with real-time emotion detection.
- Effectively managed time, organised requirements, delivered a minimum viable solution in 2 weeks.
- Increased scalability by architecting a serverless architecture of Microservices and Micro-frontends in Python and JavaScript.
- Secured sensitive health data with authorization policies, token-based authentication, OWASP security principles.
- Increased efficiency of the deployment pipeline with Cloud Infrastructure as Code using CloudFormation and CI/CD pipelines with CircleCI.

Tech-Lead: Online Scheduling Software Aug 2020 - Nov 2020

- Led an agile team to successfully deliver 30% faster and to the client's user acceptance criteria.
- Collaborated with front-end developers and designers, built the entire back-end, REST APIs with automated unit tests in Java (Spring Boot) connected to an SQL database.
- Documented and designed the software architecture, scrum and continuous integration and delivery processes.
- Sped up time to release lifecycle and reduced production errors by setting up CI/CD pipelines using CircleCI, Docker and AWS.

Full-Stack Developer: Smart (IoT) Car Reservation System March 2020 - May 2020

- Built a smart, Internet of Things Car Reservation System with Raspberry Pis. Implemented machine learning rooted facial recognition system to securely lock cars.
- Built sensor-based drop off points which created a seamless user experience.
- Streamlined repair process for engineers with location tracking and QR code reporting.