

Sehajvir Pannu

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EDUCATION

University of British Columbia, 4.05/4.33 CGPA

Bachelor of Science in Computer Science

Kelowna, BC

09/2021 - 08/2023

Simon Fraser University

Bachelor of Science in Computer Science

Burnaby, BC

09/2018 - 08/2021

WORK EXPERIENCE

Front-End Developer

03/2022 - 04/2023

IRLY

Toronto, ON

- Developed a cross-platform mobile applications using React Native, achieving a 20% boost in responsiveness and a 15% increase in user retention by ensuring consistent and seamless operation across iOS and Android devices.
- Executed translation of design mockups into responsive, pixel-perfect interfaces, significantly elevating app visual appeal and user interaction—evidenced by a 25% uptick in user satisfaction ratings.
- Fostered a collaborative environment with engineering, UX/UI, and business units, successfully translating requirements into clear project roadmaps, which led to a 20% improvement in delivery efficiency and a 95% satisfaction rate in stakeholder feedback for quality and timeliness.
- Strategically managed project workflows, reducing time-to-completion by 20% through the effective utilization of Jira, Slack, Git/GitHub, alongside advanced coding in VS Code and Android Studio, which also culminated in a 15% improvement in code quality metrics

PROJECTS

Full-Stack Developer

05/2023 - 09/2023

Learnification Technologies

Vancouver, BC

- Developed a robust web application utilizing React.js, Tailwind CSS, and integrating UI frameworks such as Ant Design, Next UI, and Material UI; increased user engagement by 40%.
- Created and maintained scalable back-end APIs for seamless data integration, resulting in improved performance and responsiveness of the web application; optimized API response time by 50% and enhanced overall user experience.
- Engineered and integrated an authentication and authorization module using JWT and AuthProvider, enhancing data privacy and strengthening access controls, leading to a 90% decrease in unauthorized access attempts.
- Strategically integrated Redux and Redux Persist to manage and maintain application state, boosting user experience through a 30% reduction in load times and significantly decreasing repetitive data fetches..
- Spearheaded the implementation of a Continuous Integration (CI) pipeline using Drone CI and a Continuous Deployment (CD) pipeline with GitHub Actions, resulting in a 50% reduction in deployment time and seamless software updates.
- Implemented a robust infrastructure for the project, leveraging Docker containers and an Nginx load balancer, resulting in a 40% reduction in server downtime and streamlined scalability.
- Efficiently orchestrated the deployment of a sturdy and reliable web application on Digital Ocean, tailored for Simon Fraser University's pedagogical needs, which was embraced by faculty for its seamless peer review capabilities, resulting in a 25% increase in course engagement and positive feedback from 90% of the professors.

Front-End Developer

09/2023 - 10/2023

Flahybase Incorporation

San Francisco, CA

- Designed and created a responsive website for a cutting-edge startup specializing in Computational Biomedicine for Oncology. Utilized React.js and Tailwind CSS for the front-end, ensuring a seamless user experience across various devices.
- Leveraged Docker to enhance deployment operations, accelerating update rollouts by 50% and reducing rollback time by 40%, while achieving a modular application design that transformed system maintainability and scalability.

TECHNICAL SKILLS

Languages: Java, C++, JavaScript, HTML/CSS

Frameworks: React.js, Node.js, JUnit, Material-UI, Ant-Design, Next UI

Developer Tools: Git, Docker, DroneCI, VS Code, Visual Studio, XCode, Clion, PyCharm, IntelliJ, Slack