Sultan Singh Atwal

FULL STACK SOFTWARE DEVELOPER

https://atwalsultan.herokuapp.com/dev
sultan.singh.atwal@gmail.com
LinkedIn
GitHub
Stack Overflow

Profile

A meticulous and curious software developer with more than 6 years of programming experience, built by collaborating on real-world, academic and personal projects. Continually growing my skills through self-education and practical activities.

Technical Skills

- JavaScript
- Java
- TypeScript
- React Native
- REST APIs
- Python
- React
- MERN Stack
- Bash
- GraphQL

Education

Langara College
Web & Mobile Apps Design & Dev.

Vancouver, BC   Sept 2020 - Dec 2021

- Post Degree Diploma in Development

DAV College
Computer Science Program

Chandigarh, India   July 2016 - June 2019

- Bachelor of Science

Volunteer Experience

EasyPaper.in   Chandigarh, India
Contributor   (Nov 2019 - Jan 2020)

EasyPaper provides mock question papers and answer keys for a number of colleges.

- Volunteered to solve 24 mock question papers for undergrad Computer Science courses.
- Improved typing skills, contributed towards the student community and reviewed concepts.

Work Experience

myBlueprint   Toronto, ON (Remote)
Junior Mobile Developer   Feb 2022 - Present

Working as a Junior Mobile Developer on the Spaces mobile application for myBlueprint. Spaces is an assessment platform that makes it easy to capture, assess, and share student growth.

- Developing UI components in line with requirements provided through Jira/Zeplin, leading to successful Quality Assurance checks and integration into future releases.
- Fixing bugs and issues reported on Jira in consultation with Quality Assurance and Product teams, resulting in a stable product.
- Reviewing code contributions from teammates on GitHub pull requests, ensuring code conventions and best practices are followed.
- Participating in 3-week agile sprints going through planning, implementation, review and retrospect, leading to effective communication and efficient collaboration.
- Technologies used: React Native, TypeScript, Redux, Jest, Jira

Langara College   Vancouver, BC
Mobile Application Developer   Aug 2021 - Dec 2021

Worked as a Mobile Application Developer for Langara Film Arts Department. Built an app allowing the functionality of a film slate on iOS and Android phones and tablets.

- Developed frontend according to design assets provided through Zeplin/Figma, resulting in layouts and styles in line with the client's requirements.
- Implemented animations, transitions and sound effects using CSS and JavaScript, in order to represent actual functions of film slates on a movie or show set.
- Researched history, usage and variations of movie slates online to prioritize and implement the most essential features.
- Followed agile principles of project management with efficient collaboration and communication, achieving all milestones on time and delivering the final product before the deadline.
- Technologies used: React Native, Expo, Android Studio, Git, GitHub, Slack

Projects

BreakFirst   Vancouver, BC
Lead Developer   (Sep 2021 - Dec 2021)

A mobile application supported on iOS and Android platforms that reminds users to take regular breaks from work in order to mitigate risks of a sedentary lifestyle. It engages the user through physical exercise cues, using their mobile devices. Visit the promotional website at https://www.breakfirst.ca/

- Directed the development, while focusing on the full stack, resulting in timely delivery of the final product.
- Conducted effective research on device accelerometer and gyroscope usage to track exercises, resulting in successful implementation of motion tracking features.
- Implemented information architecture and navigation based on wireframes provided, ensuring a seamless user flow and a consistent user experience.
- Hosted backend on an AWS EC2 instance (Linux), allowing for safe and efficient communication between the frontend, backend and the database.
- Set up authentication using JSON Web Tokens, ensuring secure sessions.
- <u>Technologies used</u>: MongoDB, Express JS, React Native, Expo, Node JS, AWS EC2, Bash, React Navigation, Native Base, Git, GitHub, Slack

Fuelture   Vancouver, BC
Lead Developer   (May 2021 - Aug 2021)

A responsive, web based and data driven platform that helps Electric Vehicle enthusiasts and potential owners by providing information, statistics, news, comparisons, recommendations and maps. Visit the site at https://www.fuelture.ca/

- Led the development while primarily focusing on the frontend, meeting all deadlines and adding all features on the initial scope.
- Reached out to Evox Images and negotiated free access to a part of their picture library.
- Visualized data in line with design assets, enhancing interactivity and data driven aspects of the project.
- Aided in the set up of API endpoints and the database, resulting in fast and secure communication with the backend.
- <u>Technologies used</u>: MongoDB, Express JS, React JS, Node JS, D3, React Leaflet, RSS Feeds, Node - Mailer, Git, GitHub, Slack, Trello

High5!   Vancouver, BC
Lead Developer   (Jan 2021 - Apr 2021)

A progressive web application (PWA) that connects people in the same area with similar interests and hobbies, in order to swap experiences and socialize.

- Responsible for the development of a PWA and promotional website using WordPress, resulting in timely delivery of the finished products.
- Implemented authentication, chat, filter, and camera features to provide a seamless user experience, based on analyzed user research.
- Followed agile principles of project management, resulting in a smooth workflow and efficient collaboration between the team members.
- Improved version control with continuous integration using Git and GitHub
- <u>Technologies used</u>: HTML, CSS, JavaScript, WordPress, PWA concepts, Firebase, Web APIs, Git, GitHub, Slack, Trello

Awards, Certifications & Recognitions

Network Security Associate 2   Online
Fortinet   Jan 2022

The course revolves around the types of products and techniques that have been created by security vendors to tackle cybersecurity threats. It explores SASE, Cloud Security, SD WAN, Endpoint Security, Firewalls, Wi-Fi, Sandboxes, Web Filters and SOAR.

Network Security Associate 1
Fortinet

Online
Jan 2022

The course explores real cyber threats that pose a danger to individuals and organizations. The course offers measures that can be undertaken to protect from harm. It also explains basic terms and concepts to better understand cybersecurity.

Dean's Honor Roll x 4
Langara College

Vancouver
Sept 2020 - Dec 2021

Received for all terms in Web & Mobile Apps Design & Development program at Langara College.

Deep Learning Specialization
deeplearning.ai / Coursera

Online
Jan 2020

A 5 course specialization with courses on Neural Networks & Deep Learning, Convolutional Neural Networks, Sequence Models, Structuring Machine Learning Projects and Improving Neural Networks using Python.

Data Science Professional Certificate
IBM / Coursera

Online
Nov 2019 - Dec 2019

A 9 course specialization with courses on Data Science Methodology, Python for Data Science and AI, Databases and SQL for Data Science, Data Analysis, Data Visualization, Machine Learning and an Applied Capstone Project using Python.

Mathematics for ML Specialization
Imperial College London / Coursera

Online
Oct - Nov 2019

A 3 course specialization with courses on Linear Algebra, Multivariate Calculus and Principal Component Analysis.