

ARNAV KAUSHAL

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GitHub: [h@ps://github.com/arnavk2319](https://github.com/arnavk2319)

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Results-oriented MERN/MEAN/VJSS Full-Stack Developer with 5+ years of experience, dedicated to creating and optimizing interactive, user-friendly, and feature-rich websites and mobile applications. Leverage analytical skills and strong attention to detail to deliver original and efficient web solutions, provide technical knowledge and expertise, build new websites and mobile applications from start to finish, and successfully manage a team of other software professionals.

EXPERIENCE

➤ **SS&C Technologies Canada Corp., Toronto, Canada — Software Engineer - Full Stack**

MAY 2022 – Present - 3+ Years

Key Responsibilities:

- Developed and maintained **responsive, enterprise-grade web applications** using **Angular 18+**, **TypeScript**, **HTML5**, **SCSS**, and **Vue 2/Nuxt**, **Python** enhancing user interaction and **reducing page load time by ~35%**.
- Engineered 5+ critical business modules (e.g., **Payroll**, **Loan Origination**, **Loan Servicing**, **Client Reporting**, **Tenant Management**) within a **multi-tenant SaaS fintech platform**, contributing to its adoption by major clients and **over \$100M+** in processed transactions.
- **Integrated dynamic content rendering using dotCMS**, enabling marketing teams to autonomously manage and personalize client content, **reducing dev dependency by ~40%**.
- Implemented and consumed **RESTful APIs using Spring MVC, Spring Boot (ReactPve), Java, Postman, CURL, and handled complex SQL operations** to optimize data flow and backend performance.
- **Collaborated closely with cross-functional teams (Product Owners, Designers, QA, Clients)** during sprint planning and requirement analysis, ensuring alignment with business goals and reducing iteration cycles.
- Participated in daily Agile scrums, retrospectives, and sprint demos, **contributing to a consistent 95%+ sprint velocity within a fast-paced development team**.
- **Contributed to a corporation-wide Angular component library** by designing and implementing critical features and abstract component rendering techniques, **resulting in a 40% reduction in development time** and a **30% improvement in component performance** and usability across multiple projects and teams.
- Optimized and managed application performance using real-time log monitoring and issue triaging, delivering on-the-fly solutions that improved uptime and **reduced incident turnaround by ~50%**.
- Led frontend feature development and UI/UX compliance based on design mocks and accessibility standards (WCAG), along with enhancing **web and desktop application accessibility** by implementing WCAG 2.1 standards and using tools such as **Axe, Lighthouse, and WAVE**, resulting in improved accessibility scores and compliance for users with assistive needs leading to an increased customer satisfaction and platform usability scores.
- Wrote robust unit and integration test suites using **Jasmine and Jest**, **achieving 85%+ test coverage** and minimizing postdeployment bugs.
- Reviewed and merged peer code via **Git-based version control, following CI/CD practices** to maintain code quality and reduce merge conflicts.
- **Conducted code refactoring and modularization efforts**, reducing technical debt and improving component reusability across multiple modules and tenants.
- Mentored junior developers through **code walkthroughs and feature pair-programming**, fostering knowledge sharing and faster onboarding.
- Coordinated with backend teams to implement **asynchronous data fetching and reactive streams using Spring WebFlux**, increasing backend throughput and responsiveness under high load.
- **Managed feature lifecycle from development to production**, participating in deployment planning, feature toggling, rollback strategy, and customer impact analysis.
- Played a key role in system scalability and resilience planning, including load testing, API throttling, and optimization of high-traffic paths.
- Maintained a track record of **consistently high performance, earning positive appraisals** from management, receiving Bonus Awards, and being frequently recognized with team appreciation for delivering quality work and contributing to project success.

➤ **The AppLabb, Toronto, Canada — MERN Full Stack Developer**

JAN 2020 – MAY 2022 - 2.5 Years

Key Responsibilities:

- Created projects using **ReactJS** implementing reusable components via **Class-based and Functional components, Hooks, Routers** and leveraged resources like **Redux Store** for all data access, encapsulating URL's and standardizing data access interfaces.
- React and Functional Driven JavaScript expert in **SPA's, UI Components, Mobile web, and Performance optimization.**
- Responsible for analysis, creation, implementation, maintenance and updating websites, using native technologies like **JavaScript (ES5/ES6), jQuery, AJAX, HTML, CSS (SASS/LESS)**, and UI Library like **ReactJS** and implementing CRUD operations with integration of RESTful Web services along with CI/CD pipelines for deployments.
- Responsible for implementing UI mock-ups, integrating third party React libraries, and handling/creating Redux store data. • The back-end use of **Node JS, Express JS, MongoDB**, and **Mongoose ODM**, the complete **MERN Full Stack** to provide **RESTful API**, along with using **MVC, MVP** design pattern.
- Used various properties, parameters in **ES6** and performed **UNIT testing with Jasmine, and Jest.**
- Created large scale applications using **NodeJS stack, PostgreSQL/MYSQL and Sequelize ORM** to work with relational data, deployed in the form of **RESTful APIs** and **GraphQL APIs.**
- Experience in configure and managing **AWS** Services like **EC2, S3, ELB, RDS, SNS, IAM** and other cloud providers like **Google Cloud Platform (GCP).**
- **Awarded 'Best Website Developer' in December 2020** for successful development and deployment of a client website.
- **Awarded 'Employee with Most Growth' in September 2021** for successful deployment and delivery of multiple client projects
- **Awarded 'Best in Department for SoluPoning' in December 2021** Company Annual Awards for exemplifying performance in providing out of box solutions to client's problem statements.

➤ **The AppLabb, Toronto, Canada — Developer Intern (Mobile & Web)**

MAY 2019 – AUG 2019: 4 Months

Key Responsibilities:

- Contribute to group meetings and provide status update on development tasks while working in an Agile environment.
- Coordinating with the project management team.
- Doing functional tests, usability testing, unit tests and fixing bugs in existing websites, mobile applications.
- Exploring the documentation of new platforms, tools, SDKs for integration with mobile and web applications.

➤ **Velmenni, New Delhi, India — Mobile Application Developer**

JUNE 2017 - AUG 2018: 1 Year 3 Months

Key Responsibilities:

- Created a native Android Application, **GridView** custom view and **Camera API.**
- Performed debug and performance analysis of code and systems.
- Testing the application under various configurations.

AWARDS AND ACHIEVEMENTS

- **BEST WEBSITE DEVELOPER AWARD** - December 2020 ○ The AppLabb
- **EMPLOYEE WITH MOST GROWTH AWARD** – September 2020 ○ The AppLabb
- **BEST SOLUTIONING AWARD** - December 2021 ○ The AppLabb

SKILLS

Programming/Scripting languages: Java, JavaScript ES6, TypeScript, jQuery, AJAX, Android, Flutter, Python, SQL, NoSQL, HTML5, CSS3, SASS, LESS

Frameworks/Libraries: Vue2, Nuxt SSR, Angular 18+, ReactJS, Node.js, MongoDB, Express.js, FastAPI, Sequelize (ORM), Mongoose (ODM), Bootstrap, Firebase, Cloud Firestore, RESTful, GraphQL, PostgreSQL, SQL Server, MySQL

M L Algorithms and Techniques: Supervised Learning, Unsupervised Learning, Regression and Classification, Model Evaluation Techniques

Data Science & Analysis: Data Wrangling using Pandas & Numpy, feature engineering and selection, Exploratory Data Analysis (EDA) using Seaborn, Plotly, Matplotlib, statistical analysis and hypothesis testing

Data Engineering / Pipeline Tools: Data ETL pipelines using Python + SQL, CSV, JSON, API, SQL/NoSQL databases, Jupyter, AirFlow

CMS: WordPress, Drupal, Shopify, Wix, DotCMS Integration

Cloud Computing: Google Cloud Platform, AWS (EC2, S3, RDS, ELB, Amplify, Lambda), Microsoft Azure, Firebase, CI/CD Pipelines, Heroku

Testing: Unit Testing – JEST and JASMINE, UI and Compatibility tests, Integration Tests

Other: RESTful services, JSON, MVC/MVP architecture, Google Analytics, Postman, GitHub, GitLab, Bitbucket, Server Management, DNS configuration, JIRA, Asana, Confluence

EDUCATION

CARLETON UNIVERSITY, Ottawa, Canada

(SEPT 2018 – JAN 2020)

Master of Engineering (M. Eng.) in Systems and Computer Engineering (SYSC) CGPA:

3.90/4.00

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, Chennai, India (JULY 2014 - MAY 2018)

Bachelor of Technology (B. Tech.) in Computer Science and Engineering (CSE) CGPA:

8.45/10.00

PROJECTS

- **Personal Website** - (React) - **Link** (<https://arnav-kaushal.herokuapp.com/>)
- **E-Commerce Website** - (HTML, SCSS, JavaScript, jQuery, REST API, MVC) - **Link** (<https://shop.dialabo@le.ca/dial-a-bottle/>)
- **LBM Android app** - (Retrofit, JSON, 2 REST APIs in use) - **Link** (https://play.google.com/store/apps/details?id=com.single.arnavkaushal.book_client_app)
- **MapFinder Android app** - (Google Maps SDK, Places API, Google Sign-In, JSON requests, Google Cloud Platform) - **Link** (<https://play.google.com/store/apps/details?id=com.arnav.akapplications.mapfinder>)
- **Image RecogniPon Android App** – (Python, Transfer Learning using TensorFlow, Android)