

ARJAN ASWAL

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SUMMARY

An experienced full-stack developer adept at optimizing backend systems, developing dynamic and user-friendly web interfaces, and delivering high-performance web apps. Proficient in Node.js, React.js, Express.js, NestJS, TypeScript, SQL/NoSQL databases, AWS, Firebase, Docker, and Microservices.

SKILLS

Skills: Node.js, React.js, TypeScript, MySQL, AWS, MongoDB, Docker, Flutter, Firebase, Express.js, Nest.js, Next.js, JavaScript, Postgres, Redis, GCP, CI/CD, Kubernetes, Linux/Unix, RabbitMQ, React Native, Expo

EDUCATION

Conestoga College **January 2024 - September 2025**
Certification, Mobile Solutions And Development

Chandigarh University **July 2019 - July 2023**
Bachelor's, Computer Science *GPA: 3.2*

PROFESSIONAL EXPERIENCE

Vyral LLC (letschang.app) **Remote, New Jersey, USA**
Senior Software Engineer *October 2023 - Present*

- Addressed failing tests to ensure code reliability, instituted a comprehensive code review process for junior developers, and established guidelines and style guides for a cohesive and high-quality codebase.
- Enhanced data security with scheduled Firestore backups, migrated to TypeScript for improved code maintainability and enabled Over-The-Air (OTA) updates for Expo projects.
- Upgraded the development toolchain with Husky pre-commit hooks, linting, and automated CI/CD. Migrated the entire project to TypeScript.

Sublime Data Systems **Remote**
Backend Engineer *May 2022 - November 2023*

- Overhauled the development toolchain of the company, bringing in features such as TypeScript, ES6, bundling, linting, and automated CI/CD
- Spearheaded the development of high-performance webhooks, integrating them with WebSockets, resulting in a 30% faster message delivery.
- Automated cron jobs reduced manual data cleanups by 90% and improved PostgreSQL query execution performance by 40% by restructuring database schema.
- Utilized git submodules to streamline the combined repository, cutting deployment time in half, enhancing code maintainability, and facilitating a more efficient development workflow.
- Led a team of software engineers in developing backend infrastructure, successfully delivering functional web applications that met or exceeded client requirements and expectations.

Codanto **Remote**
Backend Engineer Consultant *July 2022 - November 2022*

- Collaborated on the backend system for an IoT-capable mobile app, optimizing express middlewares for a 30% faster data retrieval.
- Implemented caching mechanisms through Redis that reduced server response times, leading to a 15% overall app performance improvement.
- Introduced TypeScript and used enums for better type checking, enhanced code consistency by utilizing shared types between the frontend and backend.
- Implemented a database sharding strategy to horizontally scale and distribute data, resulting in a significant improvement in system scalability and performance. Integrated and worked with PostGIS to manage and query geolocation data.

INDUSTRY PDX **Remote**
Software Engineer Consultant *January 2022 - April 2022*

- Designed and implemented a high-impact software solution to efficiently analyze an electronic board game and translate over 50 game piece positions into data tables and functions accessible via an API.
- Worked directly with the libraries analyzing the game and reading data from the electronic board, implementing optimizations that resulted in a 30% improvement in-game data processing speed.
- Achieved a 30% improvement in-game data processing speed, facilitating seamless interaction between developers and the board game hardware.

Ionio*Mobile App Engineer***Remote***June 2021 - October 2021*

- Developed a cross-platform mobile app seamlessly interacting with Twitter API through Firebase Cloud Functions, enhancing user experience by significantly reducing the build size to approximately 25 MBs.
- Implemented robust data caching mechanisms, reducing data transfer and eliminating unnecessary API calls, resulting in a substantial 20% decrease in mobile data usage for app users.
- Leveraged Webflow APIs to incorporate geolocation maps into the app, skillfully utilizing JavaScript libraries for Mapbox API to provide users with advanced mapping functionalities and features.