

SKILLS

Programming	JavaScript, TypeScript, Python, Java
Standards	JSON, REST, gRPC, GraphQL, Bash, Agile
Web App Development	Node.js, React.js, Vue.js, Next.js, Express.js, HTML, CSS, Redux, Django, Jest, Cucumber
Database	MongoDB, MySQL, SQLite, SQL, PostgreSQL
Tools & Practices	Docker, Git, Linux, Containerization, Jenkins, CI/CD, AWS (EC2, Lambda, S3), Azure (VM, Blob Storage)

EXPERIENCE

Software Developer

July 2023 - March 2024

Avid Technologies, Montreal, Canada

- Orchestrated back-end architecture exposes API routes in different microservices, resulting in a 50% reduction in latency for seamless media upload and user authentication for mobile clients using Node.js, GraphQL, gRPC, Golang and Azure storage.
- Developed and collaborated with agile software development life cycle more than 50 features in a cross-platform mobile application using Flutter and Dart for handling media and tenants in media and broadcasting workflows.
- Created a CI/CD workflow using GitLab for testing and automated deployment on Azure Cloud for server-side applications, reducing manual efforts by 30%.
- Engineered a user authentication and authorization system, ensured secure access to application resources, and carried out role-based access control for administrators and tenants, leading to a 40% decrease in security incidents.

Software Developer Intern

May 2022 - June 2023

Kaloom, Montreal, Canada

- Designed and crafted a decentralized test framework transaction dashboard deployed using Docker that provides a rich visual summary of daily feature test patterns implemented using Google Charts, TypeScript, Express.js, Vue.js and MongoDB.
- Managed MongoDB database, optimizing queries and the aggregation pipeline, resulting in a 25% improvement in database performance and a 35% reduction in page load time.
- Engineered views using Vue.js in Docker Containerized Architecture for decentralized deployment of the test framework, achieving 99.9% uptime and reducing server costs by 20% through efficient resource utilization.

Software Engineer

October 2020 - August 2021

WE Excel Software Pvt. Ltd., Chandigarh, India

- Exposed API routes using Node.js and Express.js and enabled easy integration with other systems, resulting in a 30% reduction in integration time and secure communication between the front-end and back-end deployed to the AWS instance.
- Employed Docker and Jenkins for CI/CD automation, streamlining user creation and user payments for increased process efficiency by 23% and accessibility in lead conversion.
- Modelled and executed scalable APIs and background workers for managing first and third-party proprietary licenses using Node.js, Firebase Functions, and the AWS cloud that serve thousands of requests daily.

EDUCATION

Master of Engineering - Electrical and Computer Engineering

September 2021 - April 2023

Concordia University, Montreal, Canada

CGPA: 3.46/4.30

Bachelor of Engineering - Electrical Engineering

August 2016 - September 2020

Deenbandhu Chhotu Ram University of Science and Technology, Haryana, India

CGPA: 8.18/10.00

PERSONAL PROJECTS

Event Management System | Eventy

Javascript, React.js, Node.js, Redux, MongoDB

- Architected a horizontally scalable back-end RESTful API Design infrastructure utilizing Strapi, Node.js, MongoDB and following Agile Development.
- Established a comprehensive event management Single-Page Application (SPA) dashboard for organizers, empowering them to manage event details, attendee data, and ticket sales via a PCI-compliant payment gateway using paypal middleware.

E-Commerce Platform | MGStore

Javascript, React.js, Node.js, Redux, MongoDB

- Devised various back-end API routes using Javascript, Node.js and Express.js including user authentication and Paypal payments integration along side front-end user interface crafted using React.js and Redux and Bootstrap.
- Facilitated comprehensive product management functionalities for administrators, allowing them to add, edit, and remove products from the catalog also Integrated order processing capabilities, including order placement, order tracking, and order history for customers.