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Mayank Gupta

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SKILLS

Programming skills	JavaScript, TypeScript, Python, Java, Node.js, React.js, Vue.js, Next.js, Express.js, Shell
Standards	JSON, REST, gRPC, GraphQL
Database	MongoDB, MySQL
Tools	Docker, Git, Linux, 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 exposing API routes in different micro services resulting in 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 more than 50 features in cross platform mobile application using Flutter 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 application reducing manual efforts by 30%.
- Engineered user authentication and authorization system, ensuring 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 decentralised test framework transaction dashboard deployed using Docker that provides a rich visual summary of daily feature test patterns implemented using Google Chart, Express.js, Vue.js and MongoDB.
- Managed MongoDB database, optimizing queries and 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 decentralised 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 to enable 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 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 leads convertibility.
- Modeled and executed scalable APIs and background workers for managing first and third-party proprietary licenses using NodeJs, Firebase Functions and AWS cloud that serve 1000+ 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, Strapi

- 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, Bootstrap

- 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.