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PROFILE

- Software Engineer with over **6 years** of hands-on experience in crafting and deploying high-performance software solutions.
- **Expert in modern web technologies, with deep experience in Node.js and React.js using JavaScript and TypeScript.** Skilled in building microservices with NestJS and Express, version control with Git, and working with MongoDB all within cloud-based architectures.
- Skilled in integrating diverse third-party APIs, enhancing legacy systems, and optimising cloud infrastructure for efficiency and scalability.
- Committed to applying advanced technologies and automation to drive business value and operational excellence.
- Fearless in tackling tasks with ambiguity.

EXPERIENCE

CyberQP

Burnaby, BC, **Canada** - Remote

Senior Software Engineer - Sept 2024 - Present

- **SSO & Exemption Flow**: Designed and implemented an SSO exemption flow from scratch, enabling tenants to configure SSO enforcement and exemptions for user logins. **(Node.js, React.js, TypeScript, MongoDB).**
- **Identity Verification via DUO Push**: Integrated DUO Push authentication, ensuring secure identity verification for users. **(Node.js, Ruby, DUO APIs).**
- **Reseller Implementation with Pax8 Marketplace**: Developed an automated reseller onboarding system through Pax8 Marketplace, streamlining tenant onboarding. *(Node.js, NestJS, TypeScript, MongoDB).*
- **Tech Vault Chrome Extension:** Built and published a secure credential management Chrome extension to the Chrome Web Store. Developed a React-based UI rendered inside a Shadow DOM and injected directly into web pages, enabling seamless autofill and credential handling. Integrated features include OAuth-based login, JIT account creation, and credential storage via our CyberQP dashboard.

Currently accessible only to whitelisted users. (React.js, TypeScript, Node.js, NestJS, MongoDB)

- **Billing and Usage Flow**: Designed and implemented the entire billing and usage infrastructure. This includes backend logic for daily billing computation based on dynamic usage metrics, tier-based pricing, and UI components for historical billing insights and tier upgrades. Visualized usage trends using graphs and built the full experience end to end. **(NestJS, Node.js, TypeScript, React.js, MongoDB)**
- **Legacy Code Enhancement & Maintenance**: Improved and maintained legacy codebases spanning multiple technologies, including **Node.js, React.js, and Ruby.**

BirdEye

Remote

Lead Software Engineer - Oct 2021 - Sept 2024

- Developed multiple services in a microservice architecture from scratch.Using **Kafka** for message passing and **MongoDB** as a database and worked with "cloud" based environments. **(Node.js (Typescript, Javascript), ExpressJs, AWS, Google Cloud).**
- Demonstrated strong expertise in Infrastructure as Code (**IaC**) using tools like **CloudFormation** and **Terraform**, and played a key role in designing and building robust **CI/CD pipelines**, ensuring seamless deployment and integration processes
- Developed and supported APIs dependent on various third party sources, like Google Maps, Apple Maps, Instagram, Twitter etc. To get and update business information, posts, chats etc for client's customer interaction.
- Single handedly added support for the **Radius Scan tool** where we would plot hot points on a map, to represent how a business is performing in comparison to its competitors for a specific category. (Appreciated by our clients) (**React, Node.js, Typescript, Javascript, Kafka, Redis, MongoDB**)
- Cost and Memory Optimization in Legacy code by using **SPOT** servers and **Lambda** functions for specific use cases. **AWS**
- Developing an advanced reporting system to notify the team about warnings and failures with real time alerts on ringcentral groups. Also, added configurable nature to the reporting, new reports can easily be created by adding a new document in a **MongoDb Collection**. **(Node.js, MySQL, Mustache)**.

Indus Valley Partners

Software Engineer - Jan 2019 - Oct 2021

- Created a Pub/Sub Service in node.js using npm module BULL and services like RabbitMQ and Redis. This service acted as an ETL service in the Product, Which included Task Queuing, Scheduling, Retries, etc. Some tasks needed external Integration with Salesforce,Bloomberg,etc.
- Financial Statements Module , included Parsing and Validating Excel Sheets, Breaking down the data per sheet and saving processed form of data. Also included On The Fly creation of Excel Sheet based on stored data, with custom styling through config and custom Validations. USP of the Product.
- Created an Abstract Document Manager, which helped the Product work with different Document Managers (File System,s3,Mayan,SharePoint,etc) based on client requirement.
- Was assigned a task to build an implementation utility to ease client onboarding up to 50%. Javascript was used for client-side, Java for hosting rest routes and python for building an ETL SDK.
- Managed a Calculation module, where inputs received in the form of a JSON config were processed, these values were then persisted in DB or calculated on the fly. Templates for these JSON were created using Mustache Templates.

EDUCATION

Panjab University
- Master's in Computer Applications

Punjabi University
- Bachelor's in Computer Applications

SKILLS

Backend Frameworks: Node.js, NestJS, Express.js, Ruby, Feather.js
Frontend: React.js, Redux, TypeScript, JavaScript, Mustach, Handlebars, 118next
Databases: MongoDB, MySQL, Redis
Messaging/Queues: Kafka, RabbitMQ
DevOps/Infra: Docker, AWS, GCP
Tooling: Chrome Extension development, OAuth, Shadow DOM, Puppeteer, Playwright