Lovel George

Montreal, Quebec, Canada

438-7281150 | <u>Portfolio</u> | <u>LinkedIn</u> | <u>Github</u> | lovelgeorge22@gmail.com |

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, HTML 5, CSS, SQL
Tools & Technologies: React.js, Next.js, Node.js, Express.js, FastAPI, Tailwind CSS, Git, Shadcn
Databases: PostgreSQL, MongoDB, MySQL, Prisma, TypeORM, Redis
Dev Tools & CI/CD: AWS, Google Cloud (GCP), GitHub Actions, Docker, Kubernetes
Other: Agile, Scrum, REST API, GraphQL, Playwright, Zustand, Redux, Vite, Storybook

EXPERIENCE

General Magic
May 2024 – June 2025

Software Developer — *Remote, Canada*

- Built and deployed a decentralized investing platform **Polygon Blockchain** integrating **Web3** wallet connectivity, to facilitate over $150k in funding with 3,000+ users.
- Engineered **OAuth 2.0** and **SSO** based authentication, enhancing onboarding speed for enterprise users.
- Enhanced code efficiency by replacing cron jobs with **Postgres Materialized Views**, reducing database server load and improving data refresh speed .
- Crafted web app design with **Next.js, TypeScript, Express.js and PostgreSQL**, and engineered API integrations and maintained server-side logic.
- Integrated **PostHog** for product analytics and **Sentry** for real-time error monitoring in a web application.
- Developed an internal AI-powered evaluation agent (ElizaOS + OpenAI) that teams use to automate analysis workflows.

Orange Dice Solutions
Aug 2020 – Oct 2021

Software Developer — *Kochi, India*

- Developed a robust API in **Express.js** and **Node.js**, enabling seamless data retrieval from the **MYSQL** database, leading to a 25% reduction in front-end loading and better user experience.
- Implemented **JWT** based authentication and authorization with rate limiting to secure APIs and prevent abuse.
- Integrated automated testing in the development process using **chai.js** for unit testing, improving bug detection by 80%.
- Optimized database performance by replacing inefficient **ORMs** functions with raw SQL queries, resulting in up to 60% faster data retrieval.
- Contributed to developer onboarding guides and internal documentation, ensuring smooth coordination and knowledge sharing across cross-functional teams.

PROJECTS

Grant Evaluation AI Agent | <u>GitHub</u>

- Engineered an AI agent using **ElizaOS** integrated with OpenAI's GPT models to assist project managers in evaluating 100+ grant applications per round.
- Implemented **RAG** pipelines to retrieve insights from structured and unstructured data, improving scoring precision by 30%.
- Automated evaluation workflows and reduced manual review time by 60%, enabling faster and more consistent funding decisions.

House Price Prediction Application | <u>GitHub</u>

- Built a house price prediction model **(Python, SQL)** with 98% accuracy using Linear Regression and scikit-learn, deployed via **Flask** and automated CI/CD pipeline (GitHub Actions, Docker).
- Set up production-ready deployment and monitoring with **Docker on AWS**, including stability checks and automated error handling.

EDUCATION

Concordia University
January 2022 – December 2023

Master of Applied Computer Science — *Montreal, QC*

Karunya University
Aug 2017 – Aug 2021

Bachelor of Computer Science — *Tamil Nadu, India*