

Mervine Joshy

Paris, France

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Profile Summary

- Currently pursuing a Master's in Software Engineering at EPITA, seeking an end-of-study internship to leverage expertise and work on impactful projects.
- **Fullstack Developer** with 3 years of experience in building scalable web applications and data-driven platforms using technologies like React, TypeScript, MongoDB, and PostgreSQL.
- Proficient in designing and optimizing RESTful APIs, ensuring high system reliability and reducing failures, with significant performance improvements in projects.
- Skilled in automation, task efficiency, and data visualization, contributing to improved workflows and executive decision-making.

Technical Skills

- **Frontend:** React.js, Next.js, Tailwind CSS
- **Backend:** Node.js, Nest.js, RESTful APIs
- **Database:** PostgreSQL, MongoDB, NoSQL
- **DevOps:** Docker, Versel
- **Programming Languages:** TypeScript, JavaScript, Python
- **Other Tools:** Git, Jira, RabbitMQ, Prisma ORM

Experience

GoKhana – Software Engineer (Backend)

Mar 2023 – Jan 2024

- Developed high-performance server-side applications using **Nest.js**, **NoSQL**, and **TypeScript**, handling over 1M daily requests with 99.9% uptime.
- Designed and optimized RESTful APIs, boosting backend performance by 50% and reducing API failures by 40%.
- Automated 20+ workflows, reducing manual effort by 25% and enhancing sprint efficiency by 30%.
- Built robust database models with **TypeScript**, improving data integrity and reliability by 35%.

BYJUS – Software Engineer

Jun 2021 – Feb 2023

- Designed and developed responsive interfaces using **React**, **Node.js**, and **NoSQL**, increasing user engagement by 20%.
- Automated vendor communications using platforms like **Yellow Messenger**, increasing operational efficiency by 25%.

- Developed data visualization dashboards to support strategic decisions, improving executive productivity.
- Optimized refund workflows, cutting processing time by 30% and enhancing customer satisfaction.

Projects

StudentIO – AI-Enhanced Platform for Student & Expat Integration Jan 2025

- Developed a community-driven platform for international students using **Next.js, MongoDB, and Prisma ORM**
- Implemented **AI-driven job recommendations** and **resume parsing** for enhanced career matching.
- Cloudinary API integration for document storage.
- OpenAI API integration for reading cv and giving ATS score and suggestions to increase ATS score.
- DeepL API integration language translations.
- Designed database schema and did the initial setup.

eCommerce Website Dec 2024

- Built a custom eCommerce platform with React, Redux, Node, Express & MongoDB
- JWT Authentication Stored in an HTTP-Only Cookie
- Full featured shopping cart with PayPal & credit/debit payments
- Admin area to manage customers, products & orders
- Product Rating & Review System

Platform Optimization – Node.js, PostgreSQL, TypeScript Aug 2023

- Designed a high-throughput backend system for scalable data imports, reducing processing time by 40%.
- Migrated a monolith system to a microservices architecture, improving system scalability and resilience.

Education

EPITA – Master’s in software engineering Paris,
France | 2024 – Present

Bachelor of Technology –Computer Science and Engineering Kerala Technical
University, India | 2016 – 2020

Certifications

- Node.js with React: Full Stack Web Development – Udemy
- MERN Stack Development – Udemy
- Problem Solving – HackerRank
- Software Engineer Intern Certificate - HackerRank