Lishu Gupta

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Experience

Trippl Feb. 2024 - Current
Software Engineer & AI Projects Lead *New Zealand, WFH*

- Worked as a full-stack developer, owning and delivering multiple projects directly with clients.
- Led AI projects, building infrastructure, backend systems, and managing teams for AI product development.
- Worked with a diverse tech stack including Python, FastAPI, PHP, Vue.js, JavaScript, Docker, and AWS.
- Developed and deployed backend systems using Java Spring Boot, ensuring high performance and scalability.
- Built backend APIs and services using Python FastAPI for high-speed data processing and seamless integration.
- Implemented modern web applications with NestJS and Vue.js, ensuring smooth UI/UX while maintaining strong backend architecture.
- Worked on PHP-based solutions, taking ownership of feature development and building new functionalities.
- Integrated AI models into production systems, optimizing performance for real-time applications.
- Collaborated with clients on Penetration Testing projects, identifying vulnerabilities and providing solutions that saved clients thousands of dollars.
- Hired 10+ candidates and interviewed over 50 candidates for technical roles, helping build a strong development team.
- Led the development efforts for the India region team, coordinating tasks, mentoring junior developers, and ensuring timely project delivery.

Techwondoe Jan. 2022 – Feb. 2023
Software Developer *New Zealand, WFH*

- Develop new components for the API backend created with NodeJS, Typescript, and NestJS.
- Operating on a microservice architecture to build various cloud functions.
- Following DevOps practices to build and deploy applications quickly.
- To make sure all the functions written should pass Unit Test.
- Developed a backend for Kydos in the hackathon organised at Techwondoe with NestJS.
- Technologies Used: NodeJS, Typescript, Jest, GCP, Gitlab CI, React JS, PostgreSQL, Google Cloud Function, Google App Engine

Azael India May 2019 – July 2019
Web Developer *Delhi, India*

- Designed and developed a dynamic website using React, JavaScript, and NestJS, ensuring responsive performance and an intuitive user experience.
- Deployed and maintained the website on production servers, optimizing reliability and uptime for end-users.
- Managed and maintained the company's mail server, ensuring seamless and secure email communication across the organization.
- Oversaw the company's admin panel, handling critical administrative tasks, managing multiple web portals, and streamlining site management operations.
- Provided technical support and enhancements for backend systems, improving site performance and operational efficiency.

Education

National Institute of Technology Trichy, Tamil Nadu
Master of Computer Application (7.70 CGPA) *2021 – 2024*

School Of Computer Science and IT, Davv Indore, MP
Bachelor of Computer Application (7.81 CGPA) *2018 – 2021*

Academic Achievements

- Member of AI NLP Club at NIT, Trichy.
- Devoured 2 milestone on Google Cloud Ready Facilitator Program.
- Secured 1 rank in Bug Bounty at Innovac'22, NIT Trichy.
- Lead the team which secured 2 Rank in Agamya Technofania, NIT Trichy.
- Organised the Event on Penetration Testing at SCSIT, Davv.

Projects

Kydos — Techwondoe | *NestJS,Typescript, NodeJS, Google Cloud Functions, Gitlab CI, Jest* May 2022

- Led the team in creating a set of APIs aimed at fostering employee satisfaction and retention by allowing colleagues to award reward points within the organization. The project involved comprehensive lifecycle design, API development using Nest JS, and successful deployment on Google Cloud Platform (GCP). The user-friendly interface, accessible via Postman, has contributed to enhancing the workplace experience at Techwondoe, promoting long-term employee engagement.

Geo Attend | *ReactJS, NodeJS, Typescript, MongoDB, Docker, Geofencing*

- Leading the development of an Automated Attendance Management System utilizing Geofencing technology to transform attendance tracking for organizations and events. The project focuses on creating an efficient, error-free, and user-friendly web application. Key contributions include designing the database schema, implementing secure user authentication, developing RESTful APIs for event management, and ensuring timely delivery by adhering to project milestones.

Image Generator | *Python, OpenAI API, NLP*

- Developed an image generator application utilizing the OpenAI API for generating images from text prompts.
- Implemented Python scripts to interact with the API, sending prompts and receiving generated images.
- Explored NLP methods to enhance image coherence and quality.
- Integrated error handling for API reliability and collaborated with a team for feature enhancements.
- Documented project architecture, implementation, and usage instructions.

Technical Skills & Certifications

Backend Development: Python, FastAPI, Flask, Node.js, NestJS, Java (Spring Boot), PHP
Frontend Development: React.js, Vue.js, Next.js, JavaScript, TypeScript
Cloud Platforms & DevOps: AWS, Azure, Google Cloud Platform, Docker, Kubernetes, Terraform, Jenkins, GitLab CI/CD
Programming Languages: TypeScript, Python, Java, PHP
Certifications: Machine Learning (Udemy: UC-6YO87UQT), Python Image Recognition (BitDegree: 1185253), Responsive Web Design (FreeCodeCamp), JavaScript Algorithms and Data Structures (FreeCodeCamp)

Positions of Responsibility

Coordinator | *AI/NLP* Jan. 2022- present

- Worked as a Coordinator of Organising Committee of AI/NLP, and club working on spreading words about the role and future possibilities in the field of Artificial Intelligence and Machine Learning. We had organised a Competition consisting of several events related to AI and NLP and conducted several workshops for the same.

Instructor | *Teacher on*

- I used to teach full stack development to students at Teacher On. Online platform where you can find local tutors, online teachers, and teachers to help with tutoring.