

Ashok Lama

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[LinkedIn](#) [GitHub](#) [Portfolio](#)

CAREER OBJECTIVE

Passionate software engineer with over three years of experience in full-stack development, dedicated to creating exceptional digital experiences. Skilled in maintaining web applications, architecting scalable systems, and ensuring code quality. Proven ability to deliver innovative solutions tailored to individual needs.

EDUCATION

BSc (HONS) COMPUTING

Islington College
London Metropolitan University

2021-2023

Kamalpokhari, Kathmandu

SLC

Trinity International College

2018-2020

Dilli Bazaar, Kathmandu

WORK EXPERIENCE

INNOVATE TECH

Baluwatar, Kathmandu

Software Engineer

07/2024-Ongoing

- Supervised and contributed to the development of a scalable Quiz platform, **Kung Fu Quiz**, integrated to MST,
- Engineered a real-time audio-to-text highlighting feature using **OpenAI Whisper**, improving accessibility for diverse user groups.
- Built real-time features for an app using socket communication and implemented session services to track user sessions in MongoDB.
- Worked closely with UI/UX designers using Figma to refine interfaces and enhance usability.
- Utilized **Docker** for containerized deployments and **Git** for version control and CI/CD workflows.
- Integrated **Stripe** and **PayPal** payment gateways into the application, handling both backend (**Node.js**, **Express**) and frontend (**React**) for secure and seamless transactions.
- Implemented subscription management and **webhook** handling, ensuring reliability and fraud prevention.

Associate Software Engineer

06/2023-07/2024

- Designed and implemented a **microservices architecture** for the application, enabling scalable and modular development.
- Designed a Proof of Concept (**PoC**) for generating thumbnail sprites using **Python** and **ffmpeg**, optimizing video preview generation.
- Led the development of the admin panel of My Second Teacher V2, enhancing user experience and system efficiency.
- Built a custom **video player package** with quiz annotations using **React**, improving interactive learning experiences.
- Established internal communication using **gRPC**, ensuring high-performance, low-latency interactions between services.
- Ensured **mobile responsiveness** for seamless user experience across devices.
- Contributed to the development of a scalable bulk parser **AWS Lambda** function to process and upload multiple records efficiently using CSV files, streamlining data handling and enhancing system performance.

Full-stack Developer Trainee

01/2023-06/2023

- Worked on multiple React page views to facilitate efficient candidate management and streamline recruitment workflows.
- Enhanced application control efficiency by developing multiple frontend admin projects.
- Led the migration to Version 2 of the back-office(admin panel) using **React Query**, improving functionality and usability.

Full-stack Developer Intern

09/2022-01/2023

- ING Hire, pdf viewer, **key clock** for authentication SSO, organization, department, level, interview, management **joi** schema validation
- Express node react redux toolkit material ui ts
- Using **AWS s3** and multer (file upload)
- Google Oauth 2.0 for Interview date assign garda notification, Oauth 2 ko SMTP for mail send receive
- Queue for notification, react-helmet-async for search engine optimization.
- Developed an internal hiring management system, implementing Single Sign-On (SSO) using Keycloak for seamless authentication across both frontend (React) and backend (Express, Node.js).
- Optimized MongoDB schemas to enhance query performance and streamline workflows.

SKILLS

Technical Skills

- Programming Language: JavaScript, TypeScript, SQL, HTML/CSS, C#, Java, Python
- Frontend Technologies: React.js, Redux, RTK Query, React Query, Material UI, SASS, Bootstrap, Tailwind, Shadcn/ui, WebSocket
- Backend Technologies: Node.js, Express.js, Nest.js, Fastify, Mongoose, Prisma, TypeORM, Redis, Docker
- AI Tools: OpenAI Whisper
- API and Web Services: RESTful APIs, GraphQL, gRPC
- Version Control: Git, GitHub, GitLab
- Database: MySQL, MongoDB, PostgreSQL
- Tools and Technologies: Git, Postman, Figma, Docker, Linux, Redis
- Operating Systems: Windows, Linux, MacOS
- Testing and Quality Assurance: Jest, Cypress, K6, Lighthouse
- Project Management and Collaboration Tools: Jira, Trello, Asana, Slack, Google Chat

Soft Skills

- Research, Time Management, Leadership, Adaptability, Communication

PROFESSIONAL DEVELOPMENT

WRL SUPERVISOR

07/2024-11/2024

Innovate Tech

Baluwatar, Kathmandu

- Selected as the supervisor for the Work-Related Learning (WRL) module, overseen by Islington College.
- Led and mentored 4 front-end interns, guiding them in modern web technologies such as React, TypeScript, Bootstrap, SASS, Redux, and RTK Query.
- Supervised the development of an **HRM** web application for Innovate Tech with **20+** core features, including employee and team management, leave, work from home, and out and about requests and approval, event and holiday calendars, profile maintenance, and others.
- Assisted **18 interns**, collaborating with other WRL supervisors to support career growth and professional adaptability.

PERSONAL PROJECTS

CODE LEARNER

HTML/CSS, Javascript, Nodejs, Express

- Developed an insert e-learning platform with **15+** features including live video server, video call for interview process using web socket, test paper, secure user authentication, and session management.