

Ram Kumar Thapa

Full Stack Software Engineer

 thaparam78666@gmail.com |  (+977) 9861954985 |  LinkedIn |  GitHub |
 Kathmandu, Nepal

Professional Summary

Full Stack Software Engineer(Python-backend heavy and React) with 5+ years of experience developing scalable SaaS platforms and web applications. Expertise in Python/Django backend development and React.js frontend implementation. Proven track record in healthcare technology in US, team leadership, and delivering high-impact solutions for US and Nepalese Clients.

Technical Skills

Languages: Python, JavaScript, HTML5, CSS3

Frameworks: Django, Django REST Framework, FastAPI, Flask, React.js, Redux, Express JS

Databases: PostgreSQL, MySQL, MongoDB

Tools & Technologies: AWS (S3, IAM), Git, CI/CD, Sentry, Auth0, Pytest, Jest, Docker, numpy,

Methodologies: Agile/Scrum, Test-Driven Development

AI & Machine Learning: Large Language Models (LLMs), RAG, Semantic Search, LangChain

Professional Experience

Freelance Full Stack Engineer | Sep 2025 – Present

- Engineered and deployed a custom, full-stack travel platform using Python, Django, and React to meet specific client business requirements.
- Developed a RAG-powered AI chat interface with FastAPI and React.js, integrating a vector database to seamlessly process, embed, and retrieve multi-format documents.
- Built an NLP-driven retail chatbot integrated with a SQL database to automate real-time customer inquiries regarding retail products, dynamic discounts, and inventory status.

Leapfrog Technology Inc.

Software Engineer | Leapfrog Technology Inc. | *Dec 2021 – Aug 2025*

- Developed and maintained SaaS healthcare platform serving US market with Python/Django and React.js.
- Led team mentoring initiatives, conducted code reviews, and promoted high-quality coding standards.
- Monitored application performance and tracked errors using Sentry.
- Managed AWS deployments including S3 storage, secrets management, and IAM configurations.
- Collaborated with engineers, project managers, stakeholders, and the customer success team to deliver user-centric products.

Associate Software Engineer | Leapfrog Technology Inc. | *Aug 2021 – Dec 2021*

- Analyzed business requirements and contributed to design discovery for technical solutions alignment
- Built Internship Examination Management System using Express.js and React.js with comprehensive testing
- Integrated Auth0 authentication system for secure user management
- Wrote and tested codebases using React Testing Library with Mocha and Chai.

Uptechsys Pvt. Ltd. | Software Engineer | *Feb 2021 – Nov 2021*

- Developed responsive web applications for government projects, real estate solutions, and advanced school management systems.
- Led 10-member development team for Real Estate Solution, delivering project on time and within budget and maintained direct client communication for requirements.

Calcgen Solutions | Intern → Junior Developer | *Nov 2019 – Dec 2020*

- Developed Django applications including mechanical engineering tools, WWF Nepal Portal, and POS systems.
- Provided technical support and contributed to backend development initiatives.

Education

BSC Computer Science and Information Technology | Ambition College | 2016 – 2020

Higher Secondary Education | Classic College | 2013 – 2015