

Parameswarman Karki

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SUMMARY

Innovative Software Developer with expertise in full lifecycle development, encompassing architecture, coding, testing, and deployment. Proficient JavaScript and Typescript, prioritizing clean code, design patterns and problem solving. Collaborative team player with strong troubleshooting abilities and a commitment to continuous learning. Ready to bring technical excellence and creativity to drive project success.

EDUCATION

NEPAL COLLEGE OF INFORMATION TECHNOLOGY

Balkumari, Lalitpur

Bachelor's Degree in Computer Engineering

2018-2023

VISHWA ADARSHA HIGHER SECONDARY SCHOOL

Itahari, Sunsari

+2, Science (Major in Computer Science)

2016-2018

SKILLS

- **Languages:** Javascript, Typescript, Golang, Dart, Python, HTML5, CSS3, SQL
- **Frameworks/Libraries:** React JS, Next JS, Nest JS, Node JS, Express JS, Material UI, Chakra UI, Mantine UI, Shadcn UI, SCSS, SASS, Bootstrap, Tailwind CSS, Flutter, TSOA, Swagger UI, RabbitMQ, Redux, React-redux, ReactQuery, Formik, Yup, Git Flow, React Hook Form, Apollo, Vitest, Jest, TypeGraphQL, Flask, Gin
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis, ORM (Typeorm, Prisma, Drizzle ORM)
- **Technologies:** Amazon Web Services (AWS), Docker, Kubernetes, Linux, GIT, REST API Development, Apollo GraphQL, Microservice, Unit Testing, Nginx, Vite, Firebase, Supabase, Appwrite

SOFT SKILLS

- Excellent communication and teamwork abilities.
- Enthusiasm for sharing knowledge and mentoring others.
- Detail-oriented approach to design and development.
- Effective problem-solving skills.

WORK EXPERIENCE

Leapfrog Technology

Dillibazar, Kathmandu

Software Engineer

Oct 2023 - Present

- Built and maintained scalable backend systems utilizing Golang and Express.js to support high-performance applications.
- Collaborated with a cross-regional team of software engineers to deliver effective solutions for challenges in the construction industry.

CLIFF BYTE PVT.LTD

Mid Baneshwor, Kathmandu

Full Stack Developer

Jun 2022 - Oct 2023

- Built responsive, user-friendly interfaces using React.js with Atomic Design, Clean Code principles, Mono Repo architecture, and styling tools like CSS-in-JS and Tailwind CSS.
- Developed scalable backend services with Node.js and Express.js; implemented RESTful and GraphQL APIs for efficient front-end/backend integration.
- Managed relational databases (MySQL, PostgreSQL) using TypeORM for schema modeling, relationships, and CRUD operations.
- Streamlined CI/CD workflows with Docker, Vagrant, automated testing, and Infrastructure as Code (IaC) for efficient and reliable deployment.

FREELANCER

- Worked with various clients across multiple nations to build Mobile App and Web App in Multiple Context (E-Commerce, NFT Marketplace)

PROJECTS

- **Krane:**

Role: Software Engineer

Technologies Used: Golang, GraphQL, KnexJS, GraphQL, Next JS (Page Router), FastAPI

Description:

- Contributed to Krane, a construction platform that streamlines project logistics from pre-construction to commissioning by integrating material supply chains with project management tools.
- Leveraged AI and large language models (LLMs) to improve communication, enhance transparency, and reduce material waste through real-time project updates for all stakeholders.

- **Nagarpalika Service Delivery :**

Role: Team Lead, Full Stack Developer

Technologies Used: Node JS, React JS, PostgreSQL, TypeORM, Chakra UI, Typescript, GraphQL, RabbitMQ, WebSocket, Microservices, TypeGraphQL

Description:

- A technological marvel, serving as a central hub for millions of users across the municipality. Designed to streamline and enhance civic services, this application is a testament to efficient governance, robust security, and intricate microservices orchestration
- Combination of more than 10 microservices (Nagarpalika Wadapatra, Profiling, Sifarish, Ijalas etc.)

- **System of Nepal Copyright Registrar's Office :**

Role: Team Lead, Full Stack Developer

URL: <https://system.nepalcopyright.gov.np>

Technologies Used: Node JS , React JS , MySQL , TypeORM, Bootstrap, Typescript, TSOA, WebSocket

Description:

- Innovative software solution developed to streamline the operations of the Nepal Copyright Registrar's Office.

- **Vyaguta**

Role: Software Engineer

Technologies Used: React JS, Postgresql, Knex JS, SCSS, ExpressJS

Description:

- Developed scalable and efficient server-side logic using ExpressJS for a microservices-based HRMS platform, Vyaguta.
- Designed and optimized complex SQL queries to ensure seamless and high-performance database interactions.
- Integrated and utilized various AWS services to build secure, reliable, and scalable backend infrastructure.
- Collaborated with cross-functional teams to deliver timely updates, integrating modules such as OKR, Pulse, and Attendance.

LANGUAGES

- English, Nepali