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, Major in Computer Science   **2016-2018**

SKILLS

- **Languages**: Javascript, Typescript, 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
- **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, Supabse, 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

CLIFF BYTE PVT.LTD   **Mid Baneshwar, Kathmandu**
Full Stack Developer   **June 2022-Present**

- Front-end Development: Implemented Atomic Design, Clean code principles,Mono Repository, responsive and user-friendly interfaces by leveraging React.js components,Libraries, JSX syntax, and CSS styling frameworks (e.g., CSS-in-JS,Tailwind CSS).
- Back-end Development: Developed scalable and efficient server-side logic using Node.js,Express.js to handle data persistence and retrieval
- Database Management: Worked with MYSQL, PostgreSQL and utilized TypeORM to model database schemas, define relationships, and perform CRUD operations.
- API Development: Designed and implemented RESTful APIs and GraphQL to facilitate seamless communication between front-end and back-end components, ensuring efficient data flow and functionality.

- **Devops:**Streamlined development and deployment by implementing CI/CD pipelines, Infrastructure as Code (IaC) using tools like Vagrant, Docker for containerization, and automated testing frameworks

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

PROJECTS

- **Nagarpalika Service Delivery**
  Role: Team Lead, Full Stack Developer
  URL: https://phidim.cliffbyte.com
  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.

- **United Nations Development Programme(UNDP) Management Information System(MIS)**
  Role: Team Lead, Full Stack Developer
  URL: https://wlmmis.dofsc.gov.np/
  Technologies Used: Node JS , Express JS, React JS , MySQL , TypeORM , Material-UI, Typescript, TSOA
  Description:
    - An information management system employed to gather, store, and examine data concerning diverse natural assets within a municipality.

- **PU Hub**
  Role: Full Stack Developer
  URL: https://play.google.com/store/apps/details?id=tech.webtron.puhub
  Technologies Used: Express JS, PostgreSQL, Flutter, Firebase
  Description:
    - A mobile application compatible with multiple platforms that offers access to notes, a collection of previous exam questions, and valuable information related to Pokhara University's engineering department and curriculum.

LANGUAGES
- English, Nepali