Bhola Thapa

Kathmandu • Nepal • reubenthapa070@gmail.com • 9851110647

Education

Patan Multiple Campus (Bachelor)   **Patan**, **Kathmandu**
BCA   2024 - Running

Oxbridge Int'l School (+2)   **Mahalaxmisthan**, **Lalitpur**
Intermediate in Science   2011-2013

Experience

Angelswing Inc.   Korea (remote)
Lead Front-end Developer   Aug 2022– Present

- Lead the development of a scalable digital twin platform for construction sites, leveraging drone-captured data to create accurate digital replicas.
- Enhanced both 2D and 3D visualizations using OpenLayers, Cesium, and Three.js integrated with GIS, improving Building Information Modeling (BIM) analysis.
- Mentored junior and mid-level developers to cultivate best practices and produce high-quality, maintainable code.
- Implemented agile methodologies to drive continuous development and re-structured the project for optimal scalability and performance.
- **Front-end Stack**: Zustand, Redux, React-Query, OpenLayers, Cesium, React.js

PortPro Pvt. Ltd.   Sanepa, Lalitpur
Full Stack Developer   Nov 2021– July 2022
- Developed a transportation management system to track container movements using Bootstrap, TypeScript, and React.js.
- Designed and integrated microservice-oriented back-end APIs while solving real-world data challenges through effective scraping and data extraction.
- Built robust RESTful APIs that enhanced system functionality and product stability.
- Collaborated with teams in India and the US to ensure a consistent product vision and reliable performance.
- Mentored junior developers in scalable product design.
- **Tech Stack**: Node.js, React.js, MongoDB, Python, Puppeteer, Sass

UptechSys Pvt. Ltd.   Dhumbarahi, Lalitpur
Front-end Developer   Dec 2020– Nov 2021
- Engineered modern web applications using cutting-edge JavaScript libraries including React.js, Next.js, Redux, React-Query, Material UI, Ant Design, and TypeScript.
- Architected reusable components following atomic design principles and implemented them within a mono-repo project structure.
- Collaborated with cross-functional teams to ensure adherence to coding standards and optimized user experiences.
- **Front-end Stack**: Redux, React.js, Material UI

Digital Twin for Construction Site

Angelswing-KOR August 2022 – Present
- Developed a system that creates a digital copy of a construction site using drone captured data.
- Leveraged Cesium, Three.js, and the Potree engine to visualize meshes and point clouds.

TrackOs – Transportation Management

PortPro-Asia November 2021 – July 2022
- Built a tracking system to monitor container life cycles from port arrival to delivery and return.
- Employed Bootstrap and React for front-end development while constructing backend RESTful APIs.

Real Estate:

UpTechsys Pvt. Ltd. August 2021 – November 2021
- Developed a web platform connecting land and building assets with potential users using React.js and Bootstrap.

Inventory (ERP):

UpTechsys Pvt. Ltd. May 2021 – August 2022
- Managed warehouse inventory (eCommerce, hardware, pharmacy) by designing a custom dashboard with Material UI, React.js, and Typescript.
- Implemented a barcode scanning system to streamline inventory tracking.

Hamro Academy:

UptechSys Pvt. Ltd. November 2020 – May 2022
- Contributed to a comprehensive school management and e-Learning platform.
- Integrated an SMS gateway for notifications and developed web applications for students, parents, and teachers.
- Implemented Jitsi Web SDK and a custom SDK from the Jitsi API for online class functionalities.

Skills

Tech Stacks:
- Html, CSS, Javascript, Typescript, React Redux, React.Js,, Next.Js, Three.js, webGL, Cesium, OpenLayers, Rxjs, zustand, etc.
- Node Js, Python, Django, opencv,

References:

Manoz Acharya: Product Owner
9811050526

Aayush Bhujel: Team Lead
9841092577