Bijay Khapung

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SUMMARY

Dynamic software developer with strong problem solving skills and ability of meeting the project deadlines. Thinking outside the box attitude with hard working mindset. Experience of creating countless projects that solve real world problems. Familiarity with JSON Web Token(JWT) and OAuth2 authentication techniques. Experience of using Git/Github. Good communication skills and passion for software development.

TECHNICAL SKILLS

Languages: Typescript, Javascript, Python, Java, C
Database: PostgreSQL, MongoDB
Frameworks: React, Node.js, Express.js, Redux
Testing: Unit tests, End to End tests
Tools: Git/GitHub, Nginx, Basics of Docker, Jest

PROJECTS

Bagaicha | *PostgreSQL, Express, React, NodeJS*   Live
- Developed a platform for people, allowing them to share food reviews of restaurants around them.
- Designed and developed a system to allow people to search for restaurants name by integrating OpenMaps location API.
- Developed and implemented algorithms to recommend top local restaurants based on people's location.
- Created endpoints enabling restaurant owners to update their information, including menus, operating hours, and photos.
- Added features allowing users to comment on posts, reply to comments, like, and bookmark posts.

Fullstack Food Ordering Site | *MongoDB, Express.js, React, NodeJS*   Live
- Streamlined the process of ordering food by allowing users to pay online through Stripe.
- Programmed features such as searching restaurants by name, city and added additional search filtering features.
- Provided real time update of the user's food status by polling.
- Programmed the feature for users to update their detail information and create one restaurant page per account

Fully Fledged Ecommerce API | *NodeJS, Express, PostgreSQL*   GitHub
- Developed a REST API enabling users to sign up, log in, search for products, review products, place orders, track orders, make payments, and allowing admins to add or update product stocks.
- Utilized a graph library to generate visual representations of product sales data through graphs and charts.
- Added a full text search functionality using Elasticsearch that allows search based on a products name and description.
- Integrated Esewa to enable online payments for users.

JamJam | *React*   LinkedIn
- Designed and developed a web app to show users the best bus route to take to reach their destination in Kathmandu.
- Utilized graph data structures and implemented Dijkstra's algorithm for efficient route finding.
- Achieved over 15K user impressions on LinkedIn, showcasing its impact and utility

CERTIFICATES

Greedy Algorithms, Minimum Spanning Trees, and Dynamic Programming
Coursera

Graph Search, Shortest Paths, and Data Structures
Coursera

Divide and Conquer, Sorting and Searching, and Randomized Algorithms
Coursera

Education

Tribhuvan University Kathmandu

Bachelor of Information Management - 4th sem

Extracurricular

KIST College Hackathon 2024

Led my team to develop a food recipe suggestion app

Kantipur Engineering College Hackathon 2024

Built a E-Hospital system by collaborating with team under tight deadlines

On-Campus Hult Prize - 2nd runner up 2023

Achieved 3rd place in the Hult Prize on-campus competition with an impactful global social solution