KAILAS DUMANE
Software Development Engineer

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EXPERIENCE

Real Variable Digital Assetservices
Jun 2023 - Present

Software Development Engineer

- Developed and maintained backend systems using **Node.js** for efficient server-side operations, complemented by **Python** for specific functionalities.
- Utilized **MongoDB** as the primary database solution for effective data storage.
- Implemented a **Redis Caching** Service, **reducing** API response times **by 25%** for frequently accessed endpoints and minimizing latency in real-time data delivery.
- Contributed to the development of **RESTful APIs** in Node.js, achieving a **20% faster** data retrieval rate. Played a role in maintaining a **Git** and **GitHub** repository with a commit frequency of **100**+ per month.
- Worked on code reviews, identifying and resolving 80+ performance related issues.

JPMorgan Chase & Co.
Nov 2022 - Dec 2022

Software Engineer Virtual Intern

- Spearheaded a project developing livestock price data feed and interactive data visualization system.
- Collaborated with a professional team to create visually appealing data presentations for traders, utilizing Python for backend processing and ReactJS for seamless frontend data integration.

LetsGrowMore
Oct 2022 - Nov 2022

Full Stack Web Development Intern

- Designed websites using **HTML**, **CSS**, and **JavaScript**, focusing on frontend development.
- Implemented backend functionality with Node.js and Python, efficiently **troubleshooting** bugs and conducting thorough **code reviews** before production **deployment**.

PROJECTS

Contact Manager App
Github

- Developed a **Node.js**-based Contact Manager App with **Express**, **MongoDB**, and **Mongoose**, enabling user registration, login, secure CRUD operations for contacts, catering to an initial user base of **100**+.
- Established **JWT**-based user authorization for 50+ users, integrated Express routers, and optimized API responses, achieving an average response time reduction of 15% using online MongoDB **clusters**.
- Streamlined tests with **Thunder Client** and **Postman** for a robust backend managing 1,000+ daily requests. Built a secure Node.js backend, implementing **password hashing**, JWT token management, and middleware for MongoDB-backed data efficiency in contact management.

Portfolio: Professional Excellence
Github

- Designed and developed a responsive Portfolio using **React.js**, showcasing proficiency in front-end technologies and interactive UI features.
- The design prioritizes simplicity, providing an accessible overview of work and capabilities.
- Integrated interactive content via external APIs, optimizing code for peak performance.

EDUCATION

Indian Institute of Technology Guwahati
Jul 2021 - May 2023

Master of Technology,   CGPA 7.76/10
Guwahati, India

TECHNICAL SKILLS

- **Programming Languages:** Python, Javascript, Java, C++
- **Technologies/Tools:** HTML, CSS, Git, Docker, Kubernetes, MATLAB, Redis, MySQL, MongoDB, VS Code, Linux
- **Frameworks/Libraries:** Node.js, React.js, NumPy, Pandas, Seaborn, Matplotlib, Scikit-Learn

CERTIFICATIONS

- Data Structures and Algorithms
- Python for Data Analytics
- HTML and CSS
- Machine Learning using Python