

Chaitanya Pattem

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OBJECTIVE

Experienced software developer with over 2 years of expertise in web development, emphasizing backend technologies and competent in frontend development. Skilled in building and scaling **Web & IOT applications** using modern frameworks like **Node.js, Express.js, Electron.js** and **React.js**. Proficient in developing **RESTful APIs**, managing databases (**MySQL, Firebase firestore, MongoDB**), and leveraging cloud services (**Google Cloud, Firebase**). Demonstrated ability to work within Agile teams to deliver high-quality software solutions. Committed to continuous learning and integrating industry trends to drive innovation and operational efficiency.

EXPERIENCE

Software Developer

Futuristic labs

Sep 2022 - Present
Hyderabad, Telangana

- Implemented robust input form validation and error handling mechanisms, achieving a 90% success rate in preventing invalid data submission and a 70% reduction in data quality issues.
- Designed and implemented a **modular web architecture**, enabling seamless integration with other Klynk products and services, resulting in a 45% reduction in development time for new features.
- Implemented core functionalities for recipe management and instruction generation, significantly improving **IOT application** responsiveness and reducing processing times.
- Demonstrated ability to analyse and define complex data structures and schemas, leading to a 15% increase in **database** performance.
- Strong expertise in **data transformation and manipulation** techniques, ensuring data integrity during migration processes.
- Developed a robust and scalable platform from the ground up, adhering to industry best practices and enabling a 50% reduction in **technical debt**.
- Supervised and delegated tasks to junior team members, ensuring alignment with project objectives and timelines.
- Orchestrated sprint cycles and prioritised backlog items in collaboration with product owners and stakeholders, optimising team productivity and project delivery timelines.

SKILLS

React, Git, Web Development, Node.js, Express.js, Webpack, Firebase, MongoDB, Redis, Data Modulation, Data Structures, Algorithms, Python, Electron.js, Redux Toolkit, Material UI, Sprint Planning.

PROJECTS [\[GitHub\]](#)

API Gateway. Designed and implemented a custom API Gateway from scratch using node.js, express.js, redis, enabling centralized access control, rate limiting, and request routing functionalities, including JWT token validation and integration with OAuth 2.0 providers, ensuring secure API access. [\(See in repo\)](#)

Redis Caching. Implemented advanced Redis caching strategies to optimise performance and scalability of an api gateway. Utilised Redis data structures such as hashes, sets, and sorted sets to store and manage cached data efficiently. [\(See in repo\)](#)

EDUCATION

Bachelor of Computer Science, Avanthi Institute of Engineering and Technology

2014 - 2018

EXTRA-CURRICULAR ACTIVITIES

- Currently pursuing a course in Artificial Intelligence at Code Vipasanna, gaining hands-on experience in machine learning algorithms and data analysis techniques.
- Writing articles on Medium, focusing on topics such as web development to educate and engage with a broad audience.