| **PRAJWAL RAMESH**  **Software Engineer**  A seasoned software engineer specialized in Typescript, Node.js, React.js and other frameworks, adept in crafting scalable full-stack applications with a strong grasp of AWS services and Cloudﬂare workers. Committed to delivering high-quality code. Eager to contribute technical expertise to drive innovation.. |
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| EDUCATION**B.E** Atria Institute of Technology  Computer Science Engineering  July 2019 - June 2023 SKILLS **Cloud:** *AWS, Cloudflare*  **Programming:** *Typescript, Javascript, GoLang, Java, Python, Rust(basics)*  **Web:** *ReactJs, Node.js, Redux, NextJs (Basics), HTML, CSS, GraphQL, Astro, PWA*  **Database:** *DynamoDB, MySQL, MongoDB, FireBase, Pinecone*  **Other:** *Git, CI/CD* COURSES AND CERTIFICATES Hard Parts of JavaScript  [FrontEnd Masters]  API design using Nodejs  [FrontEnd Masters]  CONTACT/ONLINE PRESENCE  [rameshprajwal21@gmail.com](mailto:rameshprajwal21@gmail.com)  +91 7760726343  /in/prajwal-r-918a84187  github.com/PrajwalR7/  [prajwalr7.netlify.app](https://prajwalr7.netlify.app/)  m[edium.com/@rameshprajwal21](https://medium.com/%40rameshprajwal21) | WORK EXPERIENCE  **Software Development Engineer @ Oslash** (June’ 23 - present)   * Developed a copilot ,a knowledge base querying system for SaaS products   + Developed end-to-end query workflow using the concept of **Retrieval augmented generation** , using **pine cone vector db** and deployed the workflow on edge (**CloudFlare worker, NodeJs**)   + Improved the context relevancy for user queries by implementing chunking on documents in knowledge base (**Python**)   + Reduced token usage on each openAI call , stabilized the response from openAI cutting down hallucinations by **prompt engineering** ,while maintaining the performance of the system   + Developed suggestion system using **AWS Lambda, ElasticSearch**   + Improved the reliability of the system using multi-query approach (generating variantes of user query) , and retrieving the right sources based on frequency count * Led the **migration of front-end** code base to **micro-frontend architecture** leveraging **CloudFlare workers , Nodejs and React**   + Removed project interdependency by decomposing a monolithic frontend into modular, independently deployable micro-frontends   + Implemented a **reverse proxy** to streamline routing to different micro-frontends using **central CloudFlare worker**   + Developed reusable components that were consumed across micro-frontends   + Leveraged **IndexedDB** to sync state across multiple micro frontends   + Implemented central **OAuth2** for authenticating user access to micro-frontend * Built several **proofs of concepts** on QNA and ChatBot capabilities on stored Data with **Huggingface** and **OPENAI** on **Node.js** * Used **github workflows** to automate cloudflare worker deployment and sst stack deployment * Enforced strict coding standards for programming best practices, naming conventions, etc. using **code reviews** & tools like DeepScan * Tracked tickets and issues in Linear, Git as version control. Worked in **Agile environment**, with daily scrums   **Product Engineering Intern @ Oslash** (Jan' 22 - June’ 23)   * Orchestrated the revamp of shortcut dashboard, using **Astro** delivering an improved user interface while effectively **leading a team of interns** * Contributed towards the development of Oslash chrome extension, by integrating user-defined content into the snippet on demand   **SDE Intern @ Ezyfi Tech**. (Aug’ 21 - Nov’ 21)   * Developed landing page and backend APIs , deployed the APIs as **firebase functions** for an eCommerce platform * Developed real time audio-text converter using Deepgram’s API and **web sockets** |
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