Jaiganesh Rao

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OBJECTIVE

Results-driven Software Engineer with a Master's degree in Computer Science and over 2 years of experience. Seeking a challenging position to leverage technical expertise in frontend & backend development and collaborate with cross-functional teams to create exceptional user experiences. Committed to delivering high-quality code, innovation, and making a positive impact.

EDUCATION

Stevens Institute of Technology   **Hoboken, NJ**
Master of Science in Computer Science | GPA: 3.8   *August 2021 – May 2023*
- Awards: Provost`s Master's Scholarship
- Coursework: Web Programming, Cloud Computing, Agile Methods for Software Dev, Fundamentals of Computing, Database Management System, Object-Oriented Analysis & Design, Data Structures & Algorithms, Software Engineering

University of Mumbai   **Mumbai, India**
Bachelor of Science in Computer Science | GPA: 3.5   *May 2015 – June 2018*

TECHNICAL SKILLS

Python, JavaScript (ES6+), Typescript, Java, C, C++, SQL, HTML5, CSS3, SCSS, jQuery, Node.js, React.js, Next.js, Express.js, Vue.js, Redux, React Query, React Native, Expo, npm, FastAPI, MongoDB, PostgreSQL, MySQL, SQL Server, GraphQL, Apollo, Redis, NoSQL, AWS, LightSail, Azure, IBM Cloud, GCP, Heroku, Firebase, GitHub, Git, Azure Repos, CI/CD, JIRA, Miro, Figma

WORK EXPERIENCE

Systems Engineering Research Center (SERC)   **Hoboken, NJ**
Full Stack Developer   *July 2022 – May 2023*

    Helix [ReactJS, NodeJS, ExpressJS, DataTables lib, MySQL Workbench, AWS – EC2, S3, Cognito, Agile]
- Spearheaded development and launched a multi-survey builder and publisher website, enabling scientists and researchers to collect user responses to behavioral and logical questionnaires for data analysis.
- Conceptualized and executed a comprehensive suite of services, optimizing the interface to streamline assessment creation, publishing, and response export, increased overall efficiency by 40%, and reduced time-to-market by 25%.
- Ensured security and authentication for users through seamless integration, while enriching the UX with convenient features for submissions review, incomplete attempt resumption, and access to previous assessments.
- Deployed and facilitated smooth collaboration and data collection for scientific research, serving 200-plus active users.

    SERC CMS [ReactJS, NodeJS, ExpressJS, DataTables lib, Chakra UI, Figma, Agile]
- Led frontend development and framework migration of an existing CMS specifically transition for managers to efficiently organize and categorize information related to scientists, researchers, and associated research documents and records.
- Migrated website framework from PHP Laravel to ReactJS, resulting in refined performance and seamless integration.
- Designed user interface and enhanced UX with reusable components, decreasing code lines by 50% for improved productivity.

LTI - Larsen & Toubro Infotech   **Navi Mumbai, India**
Software Engineer - Cloud & Infra Services   *January 2019 – July 2021*
- Developed and implemented multiple web applications aimed at optimizing production, management, and revenue tracking, leading to a notable 20% increase in productivity.
- Utilized the MERN stack and AWS to build high-performance applications, resulting in a remarkable 10 times faster loading speed, positively impacting the user experience of over 5000 customers.
- Collaborated closely with design teams using agile methodologies to identify and execute innovative add-on functions, producing a substantial 17% increase in user engagement and customer-product interactions.
- Streamlined REST APIs by 15% and established scalable structure for over 200 endpoints through code reviews.

ACADEMIC PROJECTS

MultiPDF-ChatBot (GitHub) [Python, Streamlit, LangChain, HuggingFace, Faiss]
- Developed a chatbot using Hugging Face free instructor-xl model for multi-PDF chat, enabling Q&A about multiple PDFs.
- Implemented PDF text extraction, retrieval chain creation, and accurate answering for an interactive PDF exploration tool.

JobHub (GitHub) [React Native, Expo, Axios, Rapid API, Agile]
- Built a mobile app for job listings and applied key features such as job listing, search & filter, and single-page job details.

TULSEE (Demo, GitHub) [NextJS, NodeJS, ExpressJS, Firebase, Socket.io, AWS EC2, Chakra UI]
- Constructed a B2C teamwork app, implemented creating personal & group projects and CRUD operations for every task.
- Added group chat, end-to-end encryption, media & document upload, search, and archive project.
- Integrated Google single sign-on and Zoom API, allowing group members to host meetings.

MediaHub (Demo, GitHub) [ReactJS, NodeJS, ExpressJS, MongoDB, React-Bootstrap]
- Created Movies & TV-Shows web app, wrote CRUD operations for Users & Media with content filtering.
- Secured JWT-based auth for logged-in sessions and included auto-complete search & trending media based on overall ratings.