Raviraj Mahendra Bugge
Software Engineer

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Professional Summary

I'm a **Full Stack Developer** with **3 years of experience** building **scalable, user-centric web applications** across the entire development lifecycle.
At **BORM BRUCKMEIER INFOTECH INDIA PRIVATE LIMITED**, I deliver full-stack solutions using **React.js** and **Tailwind CSS** on the frontend, paired with **Node.js/Express APIs** and secure cloud infrastructure via **AWS Secret Manager**, **CloudFront**, and **S3**.
While web development is my core strength, I've also contributed to modern AI-driven features—such as integrating **Retrieval-Augmented Generation (RAG) pipelines** using **ChromaDB** and **Milvus**, and deploying **local LLMs with Ollama** to enhance application intelligence.
My earlier experience spans the **MERN stack** (**MongoDB**, **Express**, **React**, **Node.js**) as well as smaller-scale apps developed with **PHP/MySQL**, **Python**, **C/C++**, and **SQLite**.

Skills

- **Programming Languages:** C, C++, PHP, JavaScript ES6, Node.js, Express.js

- **Frontend Technologies:** HTML5, CSS3, React.js, Materialize CSS, Bootstrap 5, tailwind

- **Database Management:** MySQL, SQLite, Firebase Firestore

- **Design Tools:** Adobe XD, Adobe Figma

- **Additional Skills:** API Integration, Data Security, Responsive Web Design, Cross-Platform Compatibility

Work Experience

Boerm Bruckmeier Infotech India Private Limited
Software Developer
2022 – Present

- Enhanced frontend designs for improved aesthetics and speed using advanced tools.

- Spearheaded key projects, ensuring robust backend functionality and API integration.

- Innovated and deployed new dashboards to optimize performance and user experience.

- Maintained and secured databases, ensuring seamless data organization and retrieval.

- Delivered projects on time with comprehensive testing and quality assurance.

- Trained and mentored new employees, fostering a knowledge-sharing culture.

- Reduced resource usage by optimizing existing implementations, achieving a 30% reduction in server load.

- Developed and implemented in-house solutions to replace paid tools, significantly reducing operational costs while maintaining efficiency and functionality.

Education

- **Bachelor of Engineering in Computer Science**
  Savitribai Phule Pune University

- **Higher Secondary School**
  State Board of Maharashtra

- **Secondary School**
  State Board of Maharashtra

Achievements and Awards

- Secured AIR-10 in the SAMADHAN COVID-19 Challenge with a team, leading to innovative solutions for pandemic-related problems.

Projects

CDST Editor (Clinical Decision Support System)

- Led the project as a Project Manager, overseeing task assignments and ensuring smooth execution.

- Single-handedly upgraded the entire UI to be fully responsive, enhancing usability across mobile and desktop platforms.

- Improved user experience (UX) with modern design enhancements and intuitive navigation.

- Managed a legacy, business-critical system, ensuring stability and future scalability.

Acoms

- Developed and integrated a custom file manager module, eliminating the need for paid alternatives and reducing costs.

- Designed and implemented a robust Role-Based Access Control (RBAC) system for secure and efficient user and content management.

- Optimized backend security by implementing measures to prevent SQL injection attacks, enhancing system integrity.

- Implemented multiple backup processes to ensure secure and reliable content storage and recovery.

Tool Translator

- Optimized API calls to the DeepL Translation API, improving translation speed by 20% and reducing costs.

- Designed a robust database architecture with version control and multilingual translation support.

- Enhanced translation quality while maintaining efficiency and scalability.

- Implemented a strong API infrastructure for seamless integration with other projects within the organization.

ESC Web App (European Society of Cardiology)

- Transitioned from an image-based to a template-based approach, reducing loading time by 80% and resource size by 90%.

- Eliminated unnecessary API calls, improving server performance.

- Redesigned UI for seamless usability across devices and resolutions.

- Authored comprehensive documentation for maintenance and onboarding.

Languages

- English (Fluent)

- Hindi (Fluent)

- Marathi (Native)