HARSHAN A M

Software Engineer – Full Stack

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SUMMARY

Highly driven Full Stack Software Engineer with nearly 4 years of hands-on experience, adept at crafting scalable web applications using React, Node.js, and Python. Proven expertise in pioneering R&D within AI and speech technologies (TTS, ASR, NLP, prompt engineering), driving successful project delivery. Master's-educated, seeking to drive innovation in product development.

WORK EXPERIENCE

Software Engineer – Full Stack, Lingotran Pvt. Ltd. (Product) — Jan 2023 - Present

- Spearheaded full-stack application development from conceptualization to deployment, utilizing React.js, Node.js, and Python across multiple concurrent initiatives.
- Pioneered functional PoCs and conducted deep R&D into cutting-edge AI tools and speech algorithms (TTS, ASR, NLP with SpaCy), leveraging advanced prompt engineering to enhance voice capabilities and data intelligence.
- Led front-end development, crafting highly responsive UIs and reusable components in React.js with Tailwind CSS, and designed comprehensive dashboards using ApexCharts, Echarts, and D3.js for critical data insights.
- Architected and optimized RESTful APIs and backend logic with Node.js, Express.js, and Python, managing PostgreSQL data models and contributing to system architecture for improved performance and scalability.
- Served as Scrum Leader, facilitating agile ceremonies to foster collaboration, drive team productivity, and consistently achieve sprint goals, while also mentoring junior engineers.

Software Engineer – Full Stack, Veriteam Software Solutions — Feb 2021 – Jul 2022

- Developed and maintained full-stack web applications and services for diverse client projects, leveraging MVC architecture and technologies like JSP/Servlets, Node.js, Express.js, Python, Next.js, and React.
- Engineered and maintained multiple Content Management Systems (CMS), including comprehensive Admin & Merchant dashboards and a business process CMS.
- Diagnosed and resolved complex issues in legacy codebases, enhancing system stability and optimizing application performance.
- Mentored over 200 students and junior developers, delivering hands-on training and guiding 35+ academic projects in C, C++, Java, and web development.

EDUCATION

Master of Computer Applications (MCA) — 2017 – 2020
The NIE College, Mysore | 8.2 CGPA

Bachelor of Computer Applications (BCA) — 2015 – 2017
Vidya Vikas First Grade College, Mysore | 71%

SKILLS

- **Full-Stack Developer:** Expertise in React.js, Next.js, Node.js (Express), Python, TypeScript, JavaScript.
- **Proficient in UI/CSS frameworks:** MUI, Tailwind, Shadcn, Radix, HTML, CSS, SASS/SCSS.
- **Data & API:** Skilled in PostgreSQL, MongoDB, SQL, REST APIs, Swagger, JWT, Redux Toolkit, Data Viz: ApexCharts, Echarts, D3.js.
- **AI & Speech Tech:** Knowledge of AI/ML, TTS, ASR, NLP (SpaCy), Prompt Engineering.
- **Dev Tools & Practices:** Agile (Scrum Lead), System Design, R&D, Debugging, Deployment, GitHub, Mentoring, and Cross-functional Teams.

ADDITIONAL INFORMATION

- **Languages known:** Kannada , Hindi , English
- **Certifications:** Node.js Developer (2022), React – The Complete Guide (Hooks, Router, Redux) (2021), MongoDB – The Complete Developer's Guide (2022), MERN Fullstack Guide (2022)