Ayush Rameja

ayushrameja@gmail.com | +91-9660853303 | ayushrameja.com | linkedin/ayushrameja | github/RamejaAyush

About Me

I am a skilled software engineer with expertise in developing advanced web solutions that **enhance user experience** and **operational efficiency**. My focus on **scalable architecture and performance optimization** ensures **reliable system functionality**.

Education

Chandigarh University, B.Tech in Computer Science — July 2017 – July 2021

- GPA: 7.5/10

Experience

Software Engineer, Siemens – Bangalore, India — August 2023 – Present

- **Led full-stack development** of **IGBT Health App** and **Advaantics**, resulting in a more scalable and efficient system architecture.
- **Transitioned applications from concept to production**, successfully deploying scalable solutions with Docker, minimizing deployment complexity and time.
- **Implemented advanced algorithmic solutions** for predictive maintenance and operational monitoring, enhancing system reliability and reducing downtime.

Analyst, Accenture AI – Bangalore, India — June 2021 – August 2023

- **Developed user interfaces and API integrations** for various projects using **Angular, React, and Node**, leading to faster and more seamless user experiences.
- **Optimized web application deployments** on **Azure and Google Cloud**, improving overall performance and reducing operational overhead.

Projects

IGBT Health App | Node.js, Express, React, Zustand, Influx DB, Docker, React Charts

- **Reduced monitoring time by 40%** by leading the development of the IGBT Health App using a lean microservice architecture in Node.js and React.
- **Cut API response times by 30%** through the integration of five microservices via a central API Gateway, optimizing backend communication using MQTT.
- **Slashed data load times by 50%** by designing a React frontend, utilizing Zustand for state management and Axios for efficient data retrieval.
- **Improved predictive accuracy by 25%** and **reduced downtime by 20%** through the creation of specialized backend services for algorithmic calculations and real-time fatigue analysis.
- **Launched the project from prototype to production in under 6 months**, deploying a scalable solution in Docker environments for Siemens Tech.

Advaantics

- **Saved 35% on setup time** by leading the development of Advaantics, a web app for industrial machine monitoring, integrating OPCUA and Siemens FOCUS servers.
- **Boosted data operations by 40%** by designing a multi-service backend architecture in Node.js and Express, enhancing user and machine data management.
- **Reduced data lag by 60%** with an API service featuring WebSocket connectivity for real-time synchronization and MQTT for seamless interaction.
- **Increased operational efficiency by 20%** and **cut reporting time by 15%** by developing tools for time-series data handling and performance tracking.
- **Accelerated deployment by 50%** through optimizing frontend performance with custom Angular components and caching strategies, packaging the application with Nexe within 4 months.

Technical Skills

Frontend: HTML5, CSS3, SCSS, JavaScript ES14, Typescript, Styled-components, React, Angular, Redux, Framer motion, Bootstrap, Shadcn/ui, and Material UI

Backend: Node.js, Express, Bun, SQL, PostgreSQL, SSMS, Bigquery, MongoDB, SQLLite, Prisma, Sequelize, Google cloud, Azure, Jest, Mocha and Chai, Docker.

Other Skills: Figma, Data Structures, OOPs, SSO, OAUTH 2.0, SAML, Passport.js, canvasJS, SVGs, Web animations.