Prasanna Jagadesh

📞 91+ 6383022025 ✉ prasannnajaga9@gmail.com in linkedin ⌗ github 🌐 website 🌐 Leetcode 🌐 hackerRank

Technical Skills

Languages: Java, JavaScript, TypeScript, Rust, Python
Frameworks: Angular, React.js, Next.js, Tailwind CSS, Bootstrap, Tauri, Spring Boot, Express.js, FastAPI,Sequel.js, Tortoise, motor, PostgreSQL, MongoDB, DynamoDB, Elasticsearch.
Cloud & DevOps: AWS (API Gateway, Lambda, SES), Git, Docker
Tools & Concepts: Micro Services, REST APIs, Agile Methodology, Networking, Web3, Prompt Engineering.

Experience

Mavens-I softTech   Jan 2023 – Present
Senior Software Engineer (Full stack)   *Chennai, IN*

- Designed an intuitive and responsive UI for job searching, applications, and employer dashboards.
- Implemented a robust REST API for job postings, user management, and application tracking.
- Integrated serverless computing for real-time notifications and AWS SES for automated email communication.
- Integrated serverless computing for real-time data handling using AWS Lambda with dynamodb Streams.
- Ensured application reliability with unit and integration testing.
- Drove major performance improvements in Angular app by optimizing change detection, lazy loading modules, and minimizing unnecessary re-renders.
- Collaborated with cross-functional teams for seamless project delivery.
- Led code reviews and ensured adherence to coding standards.
- Used JIRA for issue tracking, sprint management, and assigning epics/stories across the dev team.

Mavens-I softTech   Jul 2022 – Jan 2023
Associate web Developer (UI)   *Chennai, IN*

- Developed scalable and high-performance web applications.
- Created seamless user experiences with Angular & Bootstrap.
- Built responsive and interactive UI components.
- Integrated RESTful APIs using Spring Boot.

Projects

Cloud Gateway Microservice | *Spring Cloud Gateway, Netflix Eureka, Resilience4j, Redis, Express.js, FastAPI*   ⌗ GitHub

- Implemented an API Gateway for microservices architecture using Spring Cloud Gateway, integrated with Netflix Eureka for service discovery.
- Configured advanced resilience patterns like automatic retries, circuit breaker (Resilience4j), and fallback routes to ensure high availability.
- Centralized routing, load balancing, and fault tolerance for downstream services, improving system reliability and scalability. Integrated Redis-based rate limiting to control traffic per client and protect backend services from abuse or overload.
- Configured non-Java microservices built with Express.js and FastAPI using heartbeat checks and health endpoints for registration and monitoring in Eureka.

FoodShare | *Next.js, Node.js, Express, FastAPI, docker PostgreSQL, MongoDB, NextAuth, Tailwind, Sequelize, Tortoise* ⌗ GitHub

- Developed a microservices-based web application to reduce food waste by connecting donors and recipients, utilizing Express.js for user, post, like, comment, and claim services and FastAPI for real-time notification services.
- Implemented secure user authentication with session/token-based login and integrated Next.js frontend using NextAuth.js and rich UI components with Tailwind CSS.
- Designed and implemented a notification microservice using FastAPI, MongoDB, Motor, and Tortoise ORM, enabling asynchronous and decoupled event handling.
- Architected the system using RESTful microservices, separating core business logic (Node/Express with PostgreSQL) from auxiliary services for scalability, maintainability, and independent deployment.
- Containerized and orchestrated 6 independent microservices using Docker Compose, enabling seamless local development, consistent environments, and simplified service communication.

Gigsumo - Job Portal | *Angular, Bootstrap, Webflow, TypeScript, Spring Boot, AWS Lambda, DynamoDB, Elasticsearch* 🌐 Live

- Designed and developed a scalable job portal enabling end-to-end hiring visibility from submission to onboarding, with multi-tier pricing (Free, Business, Enterprise).
- Built secure and responsive frontend using Angular interceptors, state management, and Material UI; ensured session handling and role-based access control.
- Created resilient backend with Spring Boot APIs, Kafka, WebSocket integration, and Spring Security for authentication and real-time collaboration.
- Integrated AWS Lambda with DynamoDB Streams to automate DB updates and transactional SES emails.

Flow - Browser & Cmd Automater | *Tauri, Rust, React.js, TypeScript, Tailwind* GitHub

- Flow is a personal automation utility designed to simplify repetitive browser and command-line tasks.
- Defined custom browser mappings for URLs (e.g., open GitHub in Chrome, docs in Edge).
- Ran custom terminal commands from predefined paths.
- Imported bookmarks from Chrome, Brave, Edge, and auto-detected and handled multiple browser profiles.

Copy-Cat – Smart Clipboard Companion | *Tauri, Rust, React.js, TypeScript, Tailwind* GitHub

- Launched clipboard history with Ctrl + Alt + Z for instant access.
- Automatically detected whether the copied content is regular text or source code.
- Opens generated files directly in Visual Studio Code for seamless editing.

ng-forms-handler | *Angular, TypeScript, Reactive Forms* GitHub

- Reduced boilerplate code when working with Reactive Forms in Angular, handling form initialization, validation, and error management.
- Built with Angular's Reactive Forms module, making it ideal for complex and dynamic forms.
- Easily integrates to display meaningful error messages for invalid fields.

FlickFind | *React, TypeScript, Tailwind, BetaSeries API* GitHub

- Searched movies by title, genre, or keywords, with fast, responsive search powered by the BetaSeries API.
- Explored movies by categories like Action, Comedy, Sci-Fi, Horror, etc.
- Created a clean, distraction-free interface focusing on content.

Asatrax | *Angular, TypeScript, Spring Boot, PostgreSQL* GitHub

- Tracked physical and digital assets in real-time across departments or locations.
- Organized assets by category, department, or type with smart filters and search for quick access to relevant assets.
- Implemented role-based access for admins, managers, and staff, with granular permissions to view/edit specific assets or reports.

Leadership & Activities

Toastmasters Club   Nov 2022 – Dec 2024
President

- Organized and led public speaking sessions, fostering communication and leadership among organization.
- Planned and hosted special themed events (e.g., Debate Nights, Impromptu Battles) to increase engagement.
- Increased member participation by 30% through active outreach, onboarding, and a fun, inclusive environment.
- Designed promotional materials and ran social media campaigns to boost club visibility.

Education

Bharathi dasanar University   2019 - 2022
Bachelor of Computer Science   *Pudukottai, TN*