Prasanna Jagadesh

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Technical Skills

Languages: Java, JavaScript, TypeScript, Rust, Python, Go
Frameworks: Numpy, Pandas, Pytorch, Angular, React.js, Next.js, Tailwind CSS, Bootstrap, Tauri, Spring Boot, Express.js, FastAPI, Sequel.js, PostgreSQL, MongoDB, DynamoDB, Elasticsearch.
Cloud & DevOps: AWS (API Gateway, Lambda, SES), GCP (Cloud Run, CloudSql, App Engine, Tasks), Git, Docker
Tools & Concepts: Micro Services, REST APIs, Machine learning, Networking, Deep learning.

Experience

Highperformr AI
June 2025 – Oct 2025
Software Engineer (Full stack)
Chennai, IN

- Implemented a website tracking system similar to RB2B, allowing users to register their domains, include or exclude pages, and analyze de-anonymized visitor data to understand audiences and refine sales strategies.
- Designed and delivered cutting-edge, conversion-focused web experiences using Webflow, enhancing user engagement and visual appeal.
- Scaled analytics infrastructure using ClickHouse, efficiently managing and querying over 700M company data records for real-time insights.
- Owned the complete development lifecycle—from analyzing infrastructure costs and setting up cloud environments to frontend, backend, and schema design—ensuring full technical accountability.
- Collaborated within a lean, high-performing 5-member engineering team focused on rapid delivery across frontend, backend, infrastructure, testing, and business requirement execution.

Mavens-I softTech
Jan 2023 – July 2025
Software Development 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

Open-Tunnel - Local Tunneling Utility | *Go, Go Routines, CLI*
⌗ GitHub

- Developed a fast, cross-platform command-line tool (CLI) using Go to securely expose local server ports to the internet (local tunneling).
- Utilized Go Routines and the standard library's networking capabilities for high-concurrency, low-latency persistent connections via WebSockets.
- Simplified local web application development and testing by providing publicly accessible endpoints without requiring complex firewall or NAT configurations.
- Created a simple, self-hosted alternative to commercial services like ngrok, offering basic and efficient local-to-public tunneling.

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.

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.

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.