

PRASAD SUDHIR RANE

Lake Bluff, IL • 513-967-9423 • emailprasadrane@gmail.com • [linkedin.com/in/rane-prasad](https://www.linkedin.com/in/rane-prasad) • prasadrane.github.io

CAREER SUMMARY

Seasoned Full Stack Software Engineer with 10 years of experience and deep expertise in C# .NET Core REST APIs, AWS-based microservices, Angular (up to v18), NgRx, and RxJS for crafting scalable, reactive front-end applications. Proven ability to integrate with 3rd party services and migration projects. Adept at architecting and optimizing stateful Angular apps using reactive patterns and high-performance UI strategies while working in Agile environment.

TECHNICAL SKILLS

Languages: C#, SQL, TypeScript, JavaScript, Java, HTML, SCSS, GraphQL

Frameworks & Libraries: .NET 8, RESTful API, ASP.NET Core, MVC, Angular 18, NgRx, RxJS, Angular Material

Cloud & DevOps: AWS (Lambda, SQS, SNS, S3, CloudWatch), Terraform, CircleCI, GitHub Actions, Jenkins

Databases: MS SQL Server, MySQL, AWS DynamoDB

Testing: Jasmin, Karma, Playwright, xUnit, MSTest, Moq

Tools & Methodologies: Postman, Insomnia, Fiddler, Git, Agile/Scrum, TDD, Microservice architecture

Observability & Incident Management: Splunk, Dynatrace, PagerDuty, ServiceNow, JIRA

IDEs: Visual Studio, VS Code, JetBrains Rider, MySQL Workbench

AI Tools & Platforms: GitHub Copilot, Claude Code, AWS Bedrock (Claude Sonnet), MCP, Generative AI Concepts

PROFESSIONAL EXPERIENCE

Rocket Mortgage

Software Engineer | Remote, IL | Jan 2023 – July 2025

- Engineered an AI-powered loan information chatbot using Amazon Bedrock (Claude Sonnet) and AWS Lambda, which orchestrated multiple existing .NET APIs to process natural language queries and synthesize data. The chatbot was integrated into an Angular UI, reducing manual lookup time by an estimated 30%. Utilized AI tools such as GitHub Copilot and Claude Code to accelerate development, improving productivity by an estimated 20%.
- Upgraded a legacy Angular 14 application to Angular 18, modernizing the codebase with standalone components, enhanced control flow syntax, and zone-less change detection, resulting in improved performance, maintainability, and developer productivity.
- Implemented NgRx for centralized state management to ensure predictable data flow and UI consistency. Leveraged RxJS for reactive state management and asynchronous data streams.
- Led technical design discussions, documented architectural decisions, and delivered testable tasks with comprehensive Unit Test coverage (averaging 90%+). Led a team of 2 engineers, providing technical guidance on architectural patterns, front-end best practices and rigorous code reviews, significantly accelerating their skill development and empowering them to contribute to complex features.
- Designed and deployed scalable mortgage servicing applications using Angular (TypeScript) and a Microservices architecture with .NET APIs and AWS (Lambda, SQS, SNS).
- Implemented SQS for decoupled service communication and SNS for real-time event notifications, improving system resilience and asynchronous processing. This resulted in a 15% reduction in customer support inquiries and enhanced user experience.
- Managed and provisioned AWS cloud infrastructure (Lambda, SQS, S3, DynamoDB) using Terraform, ensuring consistent and automated deployments. Integrated CI/CD pipelines via CircleCI for faster releases.

- Collaborated with business analysts and vendor teams in an Agile environment, participating in daily standups, sprint planning, and retrospectives to align cross-functional teams on integration priorities; iteratively refined requirements and delivered scalable integration solutions within sprint cycles.

London Computer Systems

Software Developer | Cincinnati, OH | Dec 2019 – Jan 2023

- Migrated Windows apps to Angular 12 apps using RxJs and NgRx.
- Architected lazy-loaded feature modules with route guards and resolvers.
- Spearheaded the complete lifecycle of multiple application features, including database design (MS SQL, MySQL), ASP.NET GraphQL/REST API development.
- Leveraged Angular Material library for faster development, consistent and responsive UI.
- Built live dashboards with SignalR and Angular subscriptions for real-time updates.
- Designed and deployed a reusable SignalR framework for the core business application, enabling real-time features like issue status updates, watch alerts, and user activity tracking, improving response times for critical alerts by 25%.
- Collaborated with cross-functional teams, performed rigorous code reviews, and guided junior developers. Actively drove solution discussions and contributed to architectural decisions.

EXFO Electro Optical Engineering

Software Developer | Pune, India | Mar 2015 - Jun 2018

- Developed MVC-based Web APIs using TDD and contributed to CI/CD pipeline optimization with Jenkins.
- Designed and implemented a custom Test Complete framework, automating 70% of UI tests. Impact: Reduced manual testing efforts by over 60%, accelerating release cycles and improving product quality.
- Delivered detailed architecture mockups and functional prototypes during planning and design phases, facilitating early feedback and risk mitigation.

Tanish Infotech Solutions

Trainee Software Developer | Pune, India | Mar 2014 - Feb 2015

- Built web and desktop applications on the .NET framework.
- Documented software requirements through direct client engagement.

EDUCATION

Masters of Science in Information Systems

University of Cincinnati | Cincinnati, Ohio | Aug 2018 - Dec 2019

Bachelors of Engineering in Electronics & Telecommunication

University of Pune | Pune, India | Aug 2009 - May 2013