

Prasad Sudhir Rane

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CAREER SUMMARY

Experienced Software Engineer with 10 years building scalable web applications (.NET, Angular, AWS, CI/CD), now keenly exploring AI for enhanced development solutions. Proven in designing end-to-end systems, fostering collaborative Agile environments, mentoring junior engineers, and creating clear architecture documentation. Skilled in backend API development, cloud infrastructure (AWS), modern front-end frameworks, and state management (NgRx).

TECHNICAL SKILLS

Languages: C#, SQL, GraphQL, TypeScript, SCSS **Frameworks:** ASP.NET Web API, Angular 18, NgRx, RxJS, SignalR
Cloud/DevOps: AWS Lambda, SQS Terraform, CircleCI, GitHub Workflows **IDE:** VS, VS Code, JetBrains Rider, MySQL
Tools: ServiceNow, JIRA, Jenkins, Fiddler, Postman, Insomnia, Splunk, Pager Duty, Dynatrace
Database: MS SQL, MySQL, DynamoDB **AI Tools:** GitHub Copilot, Claude Code, Amazon Bedrock

PROFESSIONAL EXPERIENCE

Rocket Mortgage - Software Engineer

Remote, IL | Jan 2023 – Present

- Engineered an AI-powered loan information chatbot using Amazon Bedrock (Claude Sonnet) and AWS Lambda to process natural language queries, orchestrate API calls, and synthesize data into concise responses, significantly reducing manual lookup.
- Engineered robust full-stack mortgage servicing applications using Microservices architecture, .NET APIs, AWS (API Gateway, Lambda, SQS), and Angular, with infrastructure managed via Terraform, significantly enhancing user experience and system reliability.
- Mentored and led a team of 2 junior engineers by driving design discussions, documenting key architectural decisions, and ensuring high-quality deliverables with 90% unit test coverage. Spearheaded peer reviews, optimized task delegation, and successfully coordinated production releases, aligning technical execution with business goals.
- Refined requirements and analyzed system dependencies by collaborating with business analysts and vendor teams to ensure seamless integration.
- Authored technical documentation, updated architecture diagrams, and leveraged AI tools (GitHub Copilot, Claude Code) to accelerate development and system understanding.

London Computer Systems - Software Developer

Cincinnati, OH | Dec 2019 – Jan 2023

- Developed a reusable SignalR framework for the business application, for real-time communication features like Issue Status tracking, Watch alerts, Call Notifications, and real-time user activity tracking.
- Designed and implemented end-to-end application features - including database design, ASP.NET GraphQL and REST APIs, and Angular client-server communication with NgRx state management
- Collaborated with cross-functional teams, reviewed code, guided junior engineers, and drove solution discussions.

EXFO Electro Optical Engineering - Software Developer

Pune, India | Mar 2015 – Jun 2018

- Developed MVC-based Web APIs using TDD; contributed to CI/CD using Jenkins.
- Automated 70% of UI tests by creating a custom Test Complete framework.
- Delivered architecture mockups and prototypes during planning and design phases.

Tanish Infotech Solutions - Trainee Software Developer

Pune, India | Mar 2014 – Feb 2015

- Built web and desktop apps on .NET; documented requirements through direct client engagement.
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EDUCATION

M.S. in Information Systems - University of Cincinnati - GPA: 3.8

Aug 2018 – Dec 2019

B.E. in Electronics & Telecommunication - University of Pune

Aug 2009 – May 2013