

Sai Teja Raju Tatampudi

AI SOFTWARE ENGINEER

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AI + Software Engineer with 7+ years of experience building production-grade systems across healthcare and finance. Specialized in LLM-powered applications, .NET Core backends, and React frontends - with deep expertise in scalable APIs, Azure cloud, HIPAA-aware software, and clinical systems that serve real patients every day.

EXPERIENCE

AI Software Engineer

Oct 2023 – Present

Pain Treatment Centers of America · Little Rock, AR

- Architected a multi-product healthcare platform (EMR, AI Scribe, RCM, Cost Estimator, Cash Flow) serving clinical staff in daily production use.
- Built full-stack EMR using .NET Core, ASP.NET Core, React, TypeScript, SQL Server, and EF Core, supporting patient documentation and billing workflows.
- Designed and shipped an LLM-powered AI Scribe that automates clinical note generation, measurably reducing provider documentation time.
- Engineered Cost Estimator integrating Trizetto and Stedi APIs for real-time insurance eligibility checks and patient out-of-pocket cost calculation.
- Built Cash Flow analytics platform providing RCM reporting, reimbursement tracking, and revenue visibility for practice administrators.
- Implemented HIPAA-compliant security (RBAC, audit logging, secure PHI handling); deployed on Azure with GitHub Actions and Azure DevOps CI/CD.

Software Engineer

Jan 2023 – Aug 2023

Wells Fargo · Chicago, IL

- Built enterprise financial applications using ASP.NET MVC and C#, increasing user satisfaction by 20% and reducing backend latency by 25%.
- Developed REST APIs and reporting pipelines (SSRS, SSIS) for compliance and operational workflows; implemented Docker-based CI/CD deployments.

Software Engineer

Jul 2018 – Jul 2021

Amazon · Hyderabad, India

- Improved database query performance, stored procedures, and backend workflows by 35%, reducing defects and improving production system stability.
- Supported high-volume e-commerce backend services through on-call rotations, maintaining 99.9%+ uptime across distributed systems.

Associate Software Engineer

Jan 2018 – Jul 2018

Innomatics Research Labs · Hyderabad, India

- Built responsive web UI components and internal tooling; improved application quality through code reviews, debugging, and performance tuning.

SKILLS

Languages & Backend:	C#, .NET Core, ASP.NET Core, Web API, EF Core, Microservices, Distributed Systems
Frontend:	React, TypeScript, JavaScript, HTML5, CSS, Redux, Angular
AI & LLMs:	Large Language Models, Generative AI, AI Integrations, Prompt Engineering
Databases:	SQL Server, PostgreSQL, MySQL, DynamoDB
Cloud & DevOps:	Azure, Azure Functions, Static Web Apps, GitHub Actions, Azure DevOps, Docker, Kubernetes
Tools:	Git, SSMS, Visual Studio, Kafka, JIRA

EDUCATION

Master's in Information Technology

Illinois Institute of Technology · Chicago, IL
GPA: 3.7 / 4.0

Bachelor's in Computer Science & Engineering

CMR College of Engineering and Technology · Hyderabad, India
GPA: 3.5 / 4.0