

# VENKATA JAYADEEP PATIBANDLA

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## SUMMARY

Senior Full Stack Developer with 5+ years of experience designing, developing, and maintaining complex, mission-driven application systems. Skilled in JavaScript, TypeScript, React, Angular, Blazor, .NET Core, SQL, and Python scripting with proven success delivering high-performance, accessible, and scalable applications. Experienced in requirements gathering, systems analysis, functional/technical specification writing, full SDLC execution, testing, documentation, and production support. Adept at designing integrated solutions, developing reusable components, and collaborating with diverse stakeholder groups to support public-facing digital platforms aligned with organizational innovation, education, and civic outcomes.

## EXPERIENCE

### Software Engineer

#### Context 4 Healthcare

February 2024 - Present, Naperville, IL

- Designed, developed, and maintained complex web applications using .NET Core 6, Angular, React, TypeScript, and C# across full SDLC.
- Gathered requirements, performed system analysis, and translated business needs into functional and technical specifications supporting integrated solutions.
- Implemented reusable UI components and REST APIs, improving application scalability and performance by 30%.
- Applied WCAG 2.1 accessibility, SEO best practices, responsive design, and analytics instrumentation (GTM, App Insights) for public-facing systems.
- Optimized SQL Server performance through indexing, query tuning, and stored procedure refactoring to improve response times.
- Automated CI/CD processes using Azure DevOps, Docker, Terraform, writing deployment scripts and ensuring compliance with change-management processes.

### Full Stack & Azure Developer

#### Capgemini

January 2020 - December 2022, Client: AXA Partners

- Built and deployed .NET Core applications supporting high-volume eligibility and claims systems, increasing throughput by 45%.
- Reduced project delivery timeline by 20% by driving precise requirements gathering and workflow definition sessions with cross-functional teams for a .NET and Azure-based application over a 6-month period.
- Developed Angular and React front-end interfaces connected to microservices and REST APIs for real-time operational data access.
- Improved system stability and performance through optimized database queries, caching strategies, and service-level enhancements.
- Implemented OAuth 2.0, JWT, and secure API architecture to meet enterprise privacy and compliance standards.
- Produced comprehensive technical documentation and detailed design artifacts supporting modular application components for .NET Core and Azure-based solutions, expediting onboarding of new developers by 30% across a distributed team of 16.

### JR. Full Stack Developer

#### Tech cities

May 2019 - September 2020

- Developed responsive, mobile-first web applications using JavaScript, TypeScript, HTML5, CSS3, Angular, and .NET APIs.
- Reduced page load time by 40% through AJAX-based REST integrations and front-end performance optimization techniques.
- Conducted requirement analysis and created functional/technical specifications for new application features.
- Built interactive dashboards, custom CMS templates, and reusable UI components supporting public-facing digital platforms.
- Implemented modular architecture with dependency injection, improving application maintainability and code quality.
- Integrated .NET APIs with Oracle DB for secure data retrieval, transformation, and storage operations.

## PROJECT

### Built enterprise-grade Azure claim processing platform (ADF, Functions, SQL, Key Vault).

AXA

Implemented secure API and RBAC-based access for financial/insurance systems.

## Integrated backend microservices with CRM/LOB apps (Dynamics 365 Sales patterns).

Context 4 Health

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## EDUCATION

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### M.Tech – Software Engineering

Vellore Institute of Technology, India • India

### M.S. – Business Analytics

University of Louisville, KY • Louisville, KY • 2022

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## CERTIFICATIONS

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### Microsoft Certified: Azure Developer Associate (AZ-204)

Microsoft • 2022

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## SKILLS

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### Languages & Frameworks:

C#, .NET Core, ASP.NET MVC, Web API, JavaScript, TypeScript, React, Angular, Blazor, Node.js, Python, HTML5, CSS3, Bootstrap

### Architecture & Integrations:

Microservices, REST APIs, gRPC, Kafka, RabbitMQ, Dependency Injection, System Design, Data Transformation

### Cloud & DevOps:

Azure (Functions, Service Bus, Event Grid), AWS (Lambda, API Gateway), GCP, Docker, Kubernetes, Terraform, Jenkins, GitHub Actions, Azure DevOps CI/CD

### Databases:

SQL Server, PostgreSQL, Oracle, MongoDB, Redis, Cosmos DB, Amazon RDS

### Testing & Documentation:

xUnit, NUnit, Jest, Selenium, Postman, Test Scenarios, Technical Specs, Knowledge-Base Documentation

### Accessibility & Analytics:

WCAG 2.1, SEO, Google Tag Manager, Google Analytics, Application Insights

### CMS & UI Libraries:

WordPress, Drupal, Kendo UI, PrimeNG

### Other:

Application Maintenance, Production Support, Change Management Policies, Medium-to-Large Systems, Integrated Solutions, File/Data Structures, Complex Test Scenarios, Business Process Analysis

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