

# VIJAY AKASH M

## SOFTWARE ENGINEER | FULLSTACK DEVELOPER

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### Summary

Results-driven Software Engineer with 4 years of experience in designing, developing, and delivering scalable software solutions. Proven track record of improving performance, enhancing system reliability, and contributing to high-impact projects. Recognized for mentoring junior developers, supporting cross-functional teams, and fostering a collaborative environment that drives innovation and project success.

### Work Experience

#### Decos Software Development Pvt. Ltd.,

Pune, Maharashtra, India

##### Software Engineer

Jan 2024 - Present

- Developed a custom RBAC system using ASP.NET Core & Entity Framework Core for dynamic, fine-grained access control.
- Built a real-time Angular admin UI to manage users, roles, and permissions.
- Engineered secure REST APIs with JWT authentication for authorization workflows.
- Automated deployments with Azure DevOps CI/CD, reducing release cycles by 30%.
- Improved scalability and performance in .NET + Angular applications through modular architecture.

##### Associate Software Engineer

Aug 2022 – Dec 2023

- Built a Generative AI-powered wiki assistant using Azure OpenAI, delivering contextual knowledge and documentation for internal teams and clients.
- Integrated Azure OpenAI with internal systems and custom UIs to enable a conversational assistant experience.
- Developed a custom insights dashboard by integrating Azure DevOps API, helping clients track project risks and delivery health.
- Contributed to modular components with .NET Core and Angular, improving code reusability and scalability.
- Supported backend optimization, debugging, unit testing, and documentation for production readiness.
- Actively engaged in Agile ceremonies and knowledge-sharing sessions to improve team collaboration.

### Ask Technology

Chennai, Tamil Nadu, India

##### Software Programmer (Intern)

May 2022 – Aug 2022

- Assisted in backend software development by implementing business logic, data handling, and system modules using C# and .NET
- Conducted manual testing of core functionalities to validate requirements, identify bugs, and ensure reliable performance.
- Prepared test case documentation and collaborated with developers to troubleshoot and resolve defects.
- Supported debugging and performance optimization activities, improving overall system stability.

### Technical Skills

- Programming & Problem-Solving:** C#, Python, JavaScript, TypeScript, SQL
- Frontend Development:** Angular, HTML5, CSS3, Bootstrap, Tailwind CSS, jQuery, other Angular frameworks like Ignite UI, Prime NG, Ng-Zorro
- Backend Development:** ASP.NET Core, .NET 6/7/8/9, Web API, Entity Framework Core, Node.js
- Database Systems:** SQL Server, Azure Cosmos DB, MongoDB, NoSQL
- Cloud & DevOps:** Microsoft Azure (App Services, Azure Functions, Key Vault, Blob Storage), Azure DevOps (Pipelines, Boards), Docker
- Artificial Intelligence:** Azure OpenAI, Generative AI, Prompt Engineering, LLMs
- Tools & Platforms:** Git, GitHub, VS Code, Visual Studio, Postman, Swagger, Azure Portal
- Software Development Practices:** Agile/Scrum, CI/CD, Test-Driven Development (TDD), Code Reviews, Version Control (Git), Documentation
- UI/UX Design:** Figma (Basic)

### Projects

#### Enterprise Management Dashboard (ERP with Angular)

*Technologies: ASP.NET Core, Angular, EF Core, SQL Server, Chart.js, Azure, JWT Auth*

- Developed a centralized web application to manage project updates, employee OKRs, meetings, and product/service insights across multiple departments.
- Implemented a custom Role-Based Access Control (RBAC) system for secure, scalable permissions management at both group and user levels.
- Integrated interactive data visualizations to track employee performance, sales metrics, and customer satisfaction KPIs.
- Empowered leadership to monitor progress and outcomes across internal and client-facing projects.

#### AI-Powered Internal Wiki Assistant

*Technologies: Azure OpenAI, Angular, C#, Azure Blob Storage, REST API*

- Designed and implemented a Generative AI-based assistant using Azure OpenAI to automate internal knowledge discovery from documentation.
- Supported multimodal input (text + images) to enhance access to scanned and visual materials.
- Built automated pipelines to continuously update and retrain the model with the latest organizational content.
- Enhanced employee productivity by reducing time spent manually searching for internal resources.

## Enterprise ERP Web Application Modernization

*Technologies: ASP.NET Core, MVC, Web API, C#, Entity Framework, SQL Server, JavaScript, jQuery, Azure DevOps*

- Designed and developed a full-stack ERP web application to streamline core business modules.
- Implemented RESTful APIs with ASP.NET Core Web API and integrated them with front-end components using MVC, JavaScript, and jQuery.
- Optimized complex SQL queries and stored procedures, improving system performance by 30%.
- Built reusable components and enforced coding standards, ensuring maintainable and scalable code.
- Deployed and maintained CI/CD pipelines in Azure DevOps for automated build, testing, and release cycles.
- Collaborated in Agile/Scrum teams, contributing to sprint planning, reviews, and technical documentation.

## DevOps Issue Insights Integration Tool

*Technologies: Azure DevOps API, .NET 8*

- Developed a backend integration that extracts and analyses known issues across projects using Azure DevOps API.
- Delivered a custom web dashboard for internal teams and stakeholders to track risks, blockers, and recurring issues.
- Enabled proactive reporting and improved transparency with near real-time data syncing.
- Helped reduce communication overhead with stakeholders by automating visibility into issue trends.

## Certification

- **Microsoft Certified:** Azure Fundamentals (AZ-900)
- **Microsoft Certification:** Attempted AZ-204 (Developer Associate) with near qualifying score, preparing to reattempt shortly
- **freeCodeCamp:** Foundational in C# with Microsoft
- **Udemy:** SPA Development with Angular, ASP.NET and SQL Server | Azure Open AI with Prompt Engineering | Mastering Full Stack .NET Architecture Development with C#
- **Internshala:** Deep Learning Training

## Awards & Achievements

- Awarded **“Shining Star Award (2024)”** for delivering high-quality solutions and exceeding performance expectations.
- Awarded **“Hero of the Moment (Jan 2025)”** for identifying and implementing a key cost-saving initiative within the organization.
- Spearheaded the migration of a legacy application to .NET Core and Angular, resulting in 40% improved performance.
- Recognized for quick turnaround on critical bug fixes, ensuring 99.9% uptime.
- Mentored junior engineers, accelerating onboarding and strengthening the team's technical depth.
- Partnered with stakeholders to align technical solutions with business objectives, increasing client satisfaction.

## Education

### Bachelor of Engineering (B.E) in Computer Science and Engineering

Sri Muthukumaran Institute of Technology, Chennai, Tamil Nadu

Year of Completion: 2022

**CGPA: 8.5 / 10**