

PRAVEEN KUMAR SUGGULA

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[LinkedIn](#)

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CAREER PROFILE

Full Stack .NET Developer and Cloud Engineer with 5+ years of hands-on experience in building scalable and cloud-native applications using C#, .NET, Angular, React, and Azure. Proficient in object-oriented design, microservices and CI/CD automation. Experienced in distributed systems, intelligent automation with OpenAI and hands-on with AWS (EC2, Lambda, DynamoDB, S3) for cloud-native app development.

EDUCATION

University of North Texas, TX, USA - Master of Science - Computer Science, GPA: 3.9/4.0 - May 2025

JNTU Kakinada University, India - Bachelor of Technology - Electronics, GPA: 3.4/4.0 - Sept 2020

SKILLS

Programming Languages: C, C++, C#, Python, JavaScript (OOP, Functional), Node.js, TypeScript, JSON, XML, JWT

Frameworks & Libraries: .NET Core 8, .Net Framework 4.7, ASP.NET MVC, Angular, ReactJS, Kendo, [Android Studio](#), Kafka, REST APIs, Entity Framework, Dapper, Serilog, Splunk, NLog, Karma, Jasmin, NUnit

Cloud Platforms: Microsoft Azure (Web Apps, Functions, API Management, Key Vault, Active Directory, Containers, App Insights, Service Bus, OpenAI), AWS (EC2, Lambda, SQS, DynamoDB, S3, ECS, EKS)

DevOps & Infrastructure: GitHub Actions, Azure DevOps, Bitbucket, Jenkins, Terraform, Docker, Azure Kubernetes, DataDog

Database & Messaging: MS SQL Server, Cosmos DB, MongoDB, Firebase, RabbitMQ, Kafka, Azure Blob Storage

Tools & Methodologies: Visual Studio, VS Code, [Git](#), [GitHub](#), Postman, Jira, Azure Boards, Agile, Scrum, SDLC, Figma

WORK EXPERIENCE

ISN Software Corporation | *Software Developer Intern*

Jun 2024 - May 2025 | Dallas, TX

- Resolved **20+ high-priority production issues** within the ISNetworld platform, enhancing the performance and reliability of **Angular-based** dashboards and **.NET Core** backend services used by partner organizations.
- Refined user lifecycle and job bidding workflows by implementing **Role-Based Access Control (RBAC)** and **event-driven notifications** using **Azure Service Bus** and **SignalR**, reducing incident tickets by 25%.
- Integrated **Azure Entra ID (B2B)** with internal **HRMS** systems via **SCIM 2.0**, **OAuth 2.0**, and **OpenID Connect**, streamlining federated identity and access management (**IAM**).
- Automated user onboarding and offboarding processes using **Azure Functions**, **Graph API** and **PowerShell**, cutting manual provisioning efforts by 40% and reducing helpdesk load.
- Hardened security posture by migrating **500+ API credentials**, secrets and connection strings to **Azure Key Vault**, with controlled access via Managed Identities and Access Policies.

University of North Texas | *Teaching Assistant for Software Engineering*

Jan 2024 - Apr 2025 | Denton, TX

- Mentored **340+** students in building **full-stack web apps** using **C#, ASP.NET Core, Angular, SQL Server** and **React**, enhancing student engagement and code quality.
- Reviewed **100+** capstone projects, focusing on **design patterns**, **microservices** and **test-driven development (TDD)** practices, improving student code quality and architecture understanding.
- Facilitated **15+** technical sessions on **cloud computing**, **CI/CD pipelines** using [GitHub Actions](#), **Docker containerization** and **service-oriented architecture (SOA)** using **.NET Core APIs**.

Pyramid SoftSol Pvt. Ltd | *Software Developer*

Mar 2021 - Jul 2023 | Hyderabad, India

- Enhanced performance and maintainability of the DialCare SaaS platform by implementing **NgRx** for scalable Angular state management and optimizing reactive data streams with **RxJS**.
- Led and delivered Pet telehealth module using **C#, ASP.NET Web API** and **SQL Server**, achieving **98% test coverage** with **NUnit** (backend) and **Karma/Jasmine** (frontend).
- Deployed scalable **.NET microservices** on **Azure Kubernetes Service (AKS)** using **Docker**, improving system resilience and reducing deployment pipeline duration by 3.6 minutes.
- Configured **Serilog, Splunk, Datadog**, and **Azure Application Insights** to monitor application health and reduced incident resolution time by 35%.
- Implemented complex search validation logic, Azure Blob Storage integration for image uploads and built **secure file storage services** with **Azure Key Vault** and **Managed Identity**.
- Boosted throughput of microservices handling 2M+ daily events by integrating **Azure API Management**, **Azure Service Bus** and implementing **caching** and **retry policies**.

- Built innovative POCs using **Tesseract OCR**, **Azure AI Document Intelligence**, **Okta** and **OpenAI GPT 3.5 Turbo**, integrating **Ag-Grid** and **SmartyStreets API** for interactive UI and address autocomplete.

Miracle Software Systems | *Software Engineer Intern*

Jan 2020 - Feb 2021 | Vizag, India

- Streamlined risk investigation workflows by developing **.NET Core Web APIs** for CMA Research Clarity and applied the **Factory Pattern** to streamline data operations with **MongoDB**.
- Provisioned **backend services** using **AWS EC2** and **Lambda**, and leveraged **Amazon S3** with **CloudFront** for secure, globally distributed document delivery.
- Created responsive UI components using **React**, **Kendo UI**, and **Bootstrap**, enhancing data visualization and analyst productivity.
- Adopted **Domain-Driven Design (DDD)** and applied **CQRS** and **MediatR** patterns in a modular .NET system to isolate read/write concerns and enforce domain logic.
- Integrated **Dapper** for lightweight data access, **Apache Kafka** for distributed event streaming, and **SignalR** to enable real-time updates in client dashboards.

PROJECT EXPERIENCE

InfraGenie AI | C#, .NET Core 8, Python, ReactJS, OpenAI, Azure Service, LangChain.NET, Terraform, Docker | [Link](#)

- Engineered a **GenAI** platform to auto-generate CI/CD pipelines, Terraform templates & IAM configs, cutting setup time by 80%.
- Enabled **LangChain.NET** for memory-aware task orchestration using **YAML**-based DevOps automation pipelines with **Veracode** scans, **SonarQube** analysis, **code linting** and secure secrets management using **Azure Key Vault**.
- Orchestrated **IAM** role suggestions and provisioning with **Azure SDK**, cutting manual role assignment efforts by 70%.
- Architected microservices architecture with **.NET Core**, **Angular** and **Python**, orchestrated via **Docker** and **AKS**.

Student Expense Tracker | Angular 19, TypeScript, SQL, Cosmos DB, Vercel, Highcharts, Twilio, jQuery, PapaParse, Git. | [Link](#)

- Engineered a real-time financial tracker with multi-currency support, tax tracking, and export/import features using **ASP.NET Core Web API**, **Entity Framework Core**, **SQL Server**, and **PapaParse** for CSV processing.
- Integrated **Highcharts** and **Twilio** to deliver insightful financial visualizations and real-time alerts via email and SMS.
- Designed reactive forms and implemented **RxJS** observables in **Angular** for a responsive UI, and developed a serverless notification engine using **AWS Lambda** and **SQS**.
- Stored uploaded images and billing documents in **Cosmos DB**, and configured secure and role-based routing with **Angular Auth Guards** and **Lazy Loading** to optimize navigation and access control.

Brain-Squeezes | C#, SQL, ASP.NET Core, Web API, EF, LINQ, Angular 18, OpenAI, Azure Web Apps, Functions, DevOps. | [Link](#)

- Created a community-driven **Q&A platform** inspired by Stack Overflow, featuring live chat, scheduling and rich multimedia support leading to a 20% increase in community engagement and content interaction.

Ransomware | Python, Flask, SMTP, HMAC256, Virtual Machines, AWS.

- Delivered a **live demonstration of a phishing email attack**, illustrating the encryption and decryption of system files triggered by a malicious email click. The session attracted over **50+ attendees** and significantly raised organizational awareness of phishing threats and enhanced response strategies through actionable countermeasures.

CERTIFICATIONS

- Microsoft Certified: AZ-900 Fundamental certification - [Microsoft](#)
- Microsoft AZ-204: Developing Solutions for Microsoft Azure - [Udemy](#)
- Deploying .Net Microservices with K8s, AKS and Azure DevOps certification - [Udemy](#)