Sarath Lella

+1 (571) 471-8234 | sarathlella.work@gmail.com | sarath-lella | Pittsburgh, PA

PROFILE

Full-stack software engineer with 6+ years of experience building scalable, high-performance web applications using .NET Core, Angular, and modern cloud-native technologies. Proven expertise in integrating LLMs and GenAI features into enterprise systems, with hands-on experience across the full SDLC—from architecture to deployment. Adept at delivering clean, testable code in Agile environments and leading initiatives that combine user experience, AI-driven automation, and business impact.

SKILLS

Languages: C#, Python, JavaScript, TypeScript, SQL, VB.NET, Java.
Technologies: .NET Core, Angular, React, Flask, LLMs, Gen AI, Hugging Face
Databases: Oracle, MySQL, SQL Server.
Tools: Visual Studio,VS Code, Docker, CI/CD (GitHub Actions, Jenkins, Kubernetes).
AI/ML: AOpenAI, Hugging Face, LLMs, Transformers.
Cloud: AWS (EC2, S3, Lambda, RDS), Azure DevOps.

EXPERIENCE

BNY Mellon — Pittsburgh, PA, USA
Software Development Engineer — *May 2023 – Present, Contract*

- Led the migration of legacy GinnieNET systems to the modern GinnieMae platform using .NET Core Web APIs, Typescript, and Angular, integrating GenAI-driven suggestions and predictive insights to support enhancements and efficiency.
- Developed and deployed LLM-integrated features using .NET Core APIs, hosted on AWS, leveraging EC2, S3, and RDS to support scalable model hosting and enabling data retrieval and real-time AI-powered responses within enterprise applications.
- Using Azure Cognitive Services and Azure OpenAI Service in .NET apps to power natural language features like summarization, code generation, or predictions.
- Built and maintained CI/CD pipelines using Jenkins/Kubernetes to automate deployment of full-stack applications with integrated GenAI features, ensuring smooth version control and continuous delivery.

Charter Communications — Stamford, CT
System Developer — *Aug 2022 – May 2023, Full-time*

- Implemented comprehensive API integrations using .NET Core's Web API, enabling seamless data synchronization across distributed systems, including real-time data feeds for financial transactions and ML-based interactions.
- Built and deployed ML-enhanced web applications on Azure App Service, utilizing Azure Functions for on-demand model inference, Azure Blob Storage for dataset handling, and Azure SQL for structured metadata and logging.
- Implemented RESTful services for efficient data exchange(ORM) and system integration across enterprise environments.
- Utilized .NET Core with LINQ (Objects and SQL) and T-SQL to build dynamic data access layers, enabling AI/ML pipelines.

Hansa Solutions — Hyderabad, India
Full Stack Developer — *Dec 2018 – Aug 2021*

- Developed a modular dashboard using Angular Material and Flex Layout for dynamic and responsive layout management, enabling users to customize their data visualization experience in a financial analytics application.
- Developed dynamic front-end interfaces with ReactJS, Angular - ensuring seamless integration of backend services(.NET/Java).
- Implemented comprehensive unit and integration testing, achieving high reliability and performance in application delivery.

EDUCATION

University Of Missouri-Kansas City — Kansas City, MO
MS in Computer Science - Data Science; GPA: 3.2/4.00 — *Aug 2021 – Dec 2022*

GMR Institute Of Technology — AP, India
B.Tech in Computer Science and Engineering; GPA: 8.32/10.00 — *Aug 2015 – Apr 2019*

PROJECTS

- **GinnieMae Portletization (Tech: .NET Core, Python, Angular, TypeScript, GenAI, AWS, LLMs):** Transformed monolithic components into modular, reusable portlets to improve performance, maintainability, and user experience.
- **Bonus Commission (Tech: .NET Core, Angular, SQL Server, Windows Scheduler):** Developed a robust tool for administrators to define and manage commission generation rules and Integrated scheduler services to automate data processing.

CERTIFICATIONS

- **Elements of AI** Link
- **Data or Specimens Only Research** Link
- **Data Analysis with Python** Link
- **Generative AI** Link
- **Full Stack Developer** Link
- **Web Design** Link