Prakhya Dasari

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SUMMARY

As a Software Development Engineer with over 3 years of experience, I excel in collaborative, fast-paced environments, driving innovation and efficiency. Passionate about cloud-based development, Gen AI and enhancing user engagement, I specialize in scalable solutions, debugging, and backend optimizations.

EDUCATION

Northeastern University *(Master of Science, Information Systems)* — **May 2024**
Andhra University *(Bachelor of Technology, Computer Science)* — **May 2020**

SKILLS

- **Programming:** JAVA, Python, C++, C#, JavaScript
- **Databases & Tools:** SQL, SQL Server, Oracle MongoDB, Tableau, Power BI
- **Web Skills:** Angular React, Angular, Node.js, TypeScript, REST APIs, ASP.NET, .NET Core
- **Cloud Technologies:** AWS (EC2, RDS, S3, Lambda, IAM, VPC), Azure, Terraform, CI/CD, Google Cloud, Kubernetes, Docker
- **Productivity:** Agile, Scrum, Git, Jira, GitHub Actions, Design Patterns, System Architecture

WORK EXPERIENCE

BRIGHT MIND ENRICHMENT — **Boston, USA**
Software Engineer — **Jun 2024 - Present**

- Designed and developed scalable API driven features of the Street Care app using **React**, **Node.js** enabling 800+ outreach initiatives and improving volunteer participation by 25%.
- Applied **Agile** methodologies in **Asana** to streamline development, reducing project turnaround time by 40% through efficient **CI/CD**.
- Implemented caching, pagination, and optimized database queries, reducing page load times from 5+ seconds to less than1 second for 200+ active users enhancing user satisfaction and engagement.
- Resolved a critical volunteer registration issue for the StreetCare app by diagnosing and rectifying caching inefficiencies affecting 200+ daily users. Deployed the fix in less than 24 hours, reducing similar complaints by 30% and ensuring real-time event availability.

INFOSYS — **Hyderabad, India**
Software Engineer- .NET — **May 2020 – Aug 2022**

- Led end-to-end **SDLC** for a high-impact web application using **C#**, **.NET**, **Angular**, **Azure AKS, SQL** and **Power BI** within an **MVC architecture**, collaborating with Scrum teams to ensure timely delivery of new features, improving user interaction by 25%.
- Engineered and implemented responsive front-end components using **HTML**, **CSS**, **JavaScript**, and **JSON**, along with custom forms, filters, Entity Framework and CRUD operations, resulting in 30% faster data retrieval and improved readability for large datasets.
- Built and integrated 15+ daily and monthly reports using **Power BI**, processing data from over 2,300 water sensors, providing real-time insights and boosting decision-making speed, leading to enhanced operational efficiency. Utilized **Docker** for containerization.
- Guided the **Azure migration planning** of 10+ TB of data for a high-priority client, reducing planning time by 20% and delivering a phased migration plan with zero disruptions, saving the client potential downtime costs.
- Automated 20+ **Azure Data Factory** pipelines with Azure Logic Apps, cutting manual intervention by 40%, saving 50+ team hours monthly, and enforcing security with **Microsoft's RBAC** to ensure compliance and minimize downtime.

PROJECT EXPERIENCE

Real Estate Portal | *(Blazor Web Assembly, C#, ASP.NET Core, Radzen, MSSQL, Dapper, EF Core)*

- Designed and implemented a property management application for realtors using **Blazor Web Assembly** and **Telerik UI**, enhancing user engagement with an intuitive interface.
- Developed RESTful APIs with **ASP.NET** and integrated **MSSQL** using Entity Framework Core within an n-tier architecture, boosting data processing speed by 50% and optimizing performance through dependency injection.

Cloud Native Inventory Management | *(Node.js, AWS, Terraform, Docker, Packer, MySQL)*

- Orchestrated the launch of a high-performance web app on **AWS EC2** with Node.js, increasing user engagement by 20% and supporting 10,000+ daily transactions.
- Established a **GitHub Actions CI/CD** pipeline and deployed infrastructure using **Terraform**, reducing deployment time by 15% and improving resource allocation with optimized VPCs, subnets, and security.

Event Management System | *(PostgreSQL, React.js, Node.js, RESTful APIs)*

- Built a full-stack event management application with role-based access and JWT authentication, supporting 100+ events monthly and ensuring 99.9% uptime using Dockerized deployment on **AWS**.
- Designed a multi-layer architecture with RESTful APIs, enhancing scalability, maintainability, and data integrity for 1000+ users.