Rangasai Kumbhashi Raghavendra

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SUMMARY

Software Engineer with experience in developing SaaS applications and infrastructures for both cloud and on-premise ecosystems, using monolith and microservice architectures. Committed to leveraging software development and infrastructure expertise to drive innovation and support strategic objectives.

TECHNICAL SKILLS

Languages: C#, TypeScript, Python, Erlang, C, C++, PowerShell, SQL, Bash, Tailwind CSS, Java, Go, Groovy, PowerFx

Frameworks and Tools: Microservices, Angular, NgRx, .NET Core, Node.js, Express.js, Elasticsearch, Kibana, Kafka, RabbitMQ, Redis, Docker, Kubernetes, OpenAPI, Azure, AWS, React, jQuery, Flask, PyTorch, SharePoint

Databases: SQL Server, PostgreSQL, Cassandra, MongoDB, Dataverse, Microsoft Excel

APIs and Protocols: REST, SOAP, WebSocket, GraphQL

Platforms: Unix, Git, SVN, Jira, Azure DevOps, Render, Microsoft 365, Power Platform, Copilot Studio, Figma

WORK EXPERIENCE

Software Development Engineer Intern
May 2025 – August 2025

Motorola Solutions — *Remote, New Jersey, United States*

- Improved communication loop closure time by an estimated 25% by implementing a read-receipts feature into a microservice-based messaging application, providing dispatchers with immediate confirmation that critical messages were seen by first responders.

Senior Principal Infrastructure Engineer
November 2022 – August 2024

Mphasis — *Bengaluru, Karnataka, India*

- Reduced manual ticket handling by an estimated 20% and decreased average initial response time by 60% by developing and deploying an automated bot for Microsoft Teams, written in C#.
- Accelerated development cycles for new apps by 25% by building a library of reusable TypeScript UI components to be used in PowerApps, which was adopted as the standard for a team of 15+ developers.
- Enabled secure, automated Power BI reporting for 10+ business-critical dashboards by architecting a Web API connection via Azure AD, serving 50+ stakeholders while eliminating previous security risks associated with user account-based access.
- Drove a 15% improvement in HoloLens device compliance by creating Power BI reports that provided actionable insights into key metrics, leading to more efficient device management and retrieval.
- Achieved annual cost savings of over $50,000 by replacing two 3rd party applications with custom in-house solutions leveraging Power Platform, improving process efficiency by 30%.

Associate - Projects
October 2021 – October 2022

Cognizant — *Bengaluru, Karnataka, India*

- Saved on-field experts an average of 5-10 minutes per data entry task by developing a C# API that automated the extraction of image location coordinates, reducing manual input errors by nearly 100%
- Enhanced survey data accuracy by 35% by creating complex, logic-driven questionnaires using Power Apps and Power Automate, reducing the time needed for data collection and cleaning.
- Managed ETL pipelines in Dataverse that were responsible for the daily transfer of 5 GB of critical business data between environments with a 99.9% success rate, ensuring data integrity.

Information Technology Analyst
August 2018 – September 2021

NTT Data — *Bengaluru, Karnataka, India*

- Streamlined training record management for 500+ employees by developing a centralized SharePoint application, reducing manual reporting time for managers by an estimated 5 hours per month.
- Reduced data processing latency by 30% and ensured real-time data consistency by integrating 4 disparate enterprise systems using MuleSoft REST APIs into an ASP.Net application.
- Reduced manual deployment time from 2 hours to 15 minutes and cut deployment-related errors by 90% by architecting and implementing a PowerShell automation framework.
- Improved average application response time by 20% and reduced the user-reported bug backlog by 40% by implementing key features and performance enhancements in ASP.NET applications.

Education

Stevens Institute of Technology   Hoboken, New Jersey, United States
Masters in Computer Science (GPA: 3.9)   *August 2024 – December 2025*
- **Focus Areas:** Distributed Computing, Concurrency Control, Database Management, Unix Programming, Data Structures, Algorithms.

KSSEM (affiliated to Visvesvaraya Technological University)   Bengaluru, Karnataka, India
Bachelor of Engineering in Electronics and Communication (GPA: 3.5)   *August 2014 – June 2018*
- **Focus Areas:** Micro processors and controllers, Operating Systems, Information Theory, C Programming, Logic Gates, VLSI, Field Theory, Satellite Communications.

Certifications

- Microsoft Certified: Software Development Fundamentals (MTA 98-361)

- Microsoft Certified: Azure Fundamentals (AZ-900)

- Microsoft Certified: Azure Data Fundamentals (DP-900)

- Microsoft Certified: Azure AI Fundamentals (AI-900)

Personal Projects

Chess.com AI Assistant | *.Net Core, TypeScript, PostgreSQL, Angular, LLM*
- An AI-based app that provides suggestions to improve an individual's performance in games on Chess.com, based on their monthly archives.

Course Tracker | *React.JS, Express.JS, Node.JS, MongoDB, Render*
- Full Stack Web application to search and manage the catalog of courses, built on REST API.