Madhav Patel

Software Engineer at Microsoft

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Innovative Software Engineer offering 6+ years of expertise in Full-stack software engineering. Seasoned professional with background in full software development lifecycle. Quickly learns and masters new technologies while working in both team and self-directed settings.

Key Skills

- Algorithms
- Data Structures
- Distributed Systems
- Large-scale application development
- GitHub
- Azure and AWS
- DevOps
- CI/CD pipeline
- C#, .NET Core, REST API
- Microservices
- Angular
- ReactJS
- HTML5, CSS3, JavaScript
- NodeJS
- Java
- Azure CosmosDB, SQL Server, GraphAPI
- Python

Professional Experience

Software Engineer II
Microsoft, Redmond, WA | September 2021 - Present

- Full-stack software development utilizing ReactJS, Python, PowerShell, C#, .NET Core REST APIs and Microservices.
- Building large-scale distributed platform utilized by Azure Compute, Storage and Networking teams for benchmarking and performance testing of services used by Azure customers and partners globally.
- Developed automation scripts to test storage appliances in Python and PowerShell.
- Reviewed project specifications and designed technology solutions that met or exceeded performance expectations.

Site Reliability Engineer II
Microsoft, Redmond, WA | November 2020 - October 2021

- Orchestrated efficient large-scale software deployments using Azure DevOps.
- Identified issues, analyzed information and provided solutions to problems.
- Improved availability and reliability of critical platform security services and applications, ensuring they meet the requirements of internal and external users.
- Improved the the lifecycle of enterprise readiness technology for Microsoft Security.

Software Engineer
Intel Corporation, Hillsboro, OR | June 2015 - October 2020

- Engineering large scale distributed systems (E-Commerce platform).
- Lead in requirement, development, project planning and other aspects of Agile software development
- Developed scalable web-based applications in MVC and RESTful API and web services.
- Led transition to Agile development as team scrum master with 2 weeks of sprint.
- Improved data request times by 65% through improved code implementation and infrastructure.
- Successfully lead the migration efforts - migrated front-end application modules to Angular and other cutting-edge frameworks.
- Built modular web applications to support complex distributed systems with complete accuracy.

Software Engineer Intern
Intel Corporation, Hillsboro, OR | June 2014 - February 2015

- Software enhancements and bug fixing.
- Actively listened to customers' requests, confirming full understanding before addressing concerns.
- Completed core modules development in less than 40% of required time during internship.

Software Developer
Jiv Daya Foundation, Dallas, TX | February 2014 - June 2014

- Designed and built the dashboard for patient management and record keeping.
- Built Ad hoc reporting system to determine the funding and patient care.
- Introduced agile methodologies and development best practices to division to enhance product development.

Education

Master of Science in Computer Science
The University of Texas at Dallas at Dallas, TX | September 2013 - June 2015

Bachelor of Science in Computer Engineering
Gujarat Technological University at Gujarat, India | July 2009 - June 2013

Certifications

Microsoft Certified Professional (MCP)
May 2015

Big data and Machine Learning
September 2018

A crash course in Data Science
April 2020