

AMITH TALLANKI

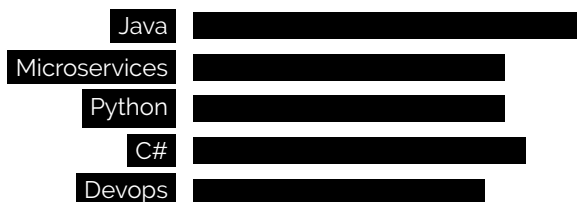
Backend Software Developer

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WHO AM I?

An astute, detail-oriented and battle hardened software engineer with over 8 years of experience seeking new challenges to define and further his career. I bring my expertise in all the fields that you can see to the right



SKILLS AND ABILITIES

Application Eng **Java, Python, C#, Javascript, HTML/CSS, Bootstrap, Figma, React,**

Cloud Infrastructure **AWS: EC2, S3, Lambda, Cloud Trail | Azure : Service Bus, ACR, ARM, Azure Kubernetes Service, Azure App Service, Storage Accounts, Azure Functions(Serverless), RBAC, Key Vault**

DevOps **Docker, Kubernetes, Azure DevOps, Git Pipelines, BitBucket, Git**

Microservices **Feign Rest Clients, Zuul, Eureka, Ribbon, Hystrix, RabbitMQ, Kibana, Cloud Sleuth, Swagger**

Database Systems **NoSQL, CosmosDB, MySQL**

EXPERIENCE

2022 – Present

Software Development Engineer 2

Microsoft

Working as a part of the Azure Stack Edge (ASE) and Hyper Converged Infrastructure (HCI) service teams. Worked closely with principal engineers to design and implement key infrastructure components for HCI, an IaaS offering, and ASE, a HaaS solution.

- Led the upgrade of the Azure Service Bus for a high-volume, service-based architecture, optimizing message throughput and latency. Implemented a round-robin strategy that allowed the use of multiple namespaces simultaneously, increasing system capacity by 3x without additional costs.
- Contributed to the development of the Arc Autonomous/Project Winfield product line, the latest innovation from Azure Edge, allowing customers to create fully disconnected cloud infrastructures on-premises, expanding the capabilities of Azure services.
- Created comprehensive documentation of verbal processes, significantly easing the onboarding of new team members and accelerating their integration into the team. Mentored five junior engineers by developing tailored training plans that enhanced their skills and performance as cloud engineers, contributing to their professional growth.
- Developed and implemented CI/CD pipelines with robust DevOps strategies, resulting in higher quality code and significantly reduced turnaround times for project delivery. Leveraged my Microsoft Certified: DevOps Engineer Expert certification to ensure best practices and industry standards were followed.
- Strengthened the project's security by leveraging Azure services like Azure Front Door, along with other key services such as Azure Security Center and Azure Key Vault, to protect data and ensure secure access to resources.
- Obtained Microsoft Certified: Azure Solutions Architect Expert certification and utilized this expertise to design and implement more scalable, secure, and efficient cloud solutions, significantly improving project outcomes.

C#, .NET / Distributed Systems / Azure Solutions Architect / Azure Resource Manager / Azure Functions / CI / CD / Docker / Kubernetes

2019 – 2022

Software Development Engineer 2

Juniper Networks

Working as a part of Juniper's Pre Commit Tool (PCT) team which is a large scale, data driven, end to end distributed cloud application that is used by over 10000 developers worldwide to test and commit code for hardware build processes.

- Gathered fuzzy requirements from users and implemented intuitive features from scratch by designing modular class and service level architectures which are scalable, highly performant and reliable.
- Designed high level architecture and built a system for error detection and analysis in user logs of build failures and created tools and libraries which are used for debugging the system. This reduced time taken by end user to analyze issues in their builds by more than 90%.
- Built rest api services using SpringBoot from scratch to enable quick development, faster integration and testing.
- Developed and delivered high performing, optimized code based on interactions with the client/consultant and design documents

Java / Javascript / Bootstrap / Jenkins, CI-CD / Netflix OSS (Zuul, Eureka, Ribbon, Hystrix) / Figma, Zeplin / Python / Shell Scripting

2016 – 2019

Software Engineer / Full stack spring developer

Manhattan Associates

Jaspersoft Reporting software takes information from one or more sources and presents it in an easy to read, highly interactive format for business users. Multiple clients such as Michael Kors, Michaels, Underarmour, Reitmans, Belk, J Crew, Brookes Brothers use reports designed and developed by me.

- Lead developer in charge of communicating with the client to ascertain feasibility, needs and features
- Designed and developed a microservice architecture using Springboot and Netflix OSS on the backend side which cut down implementation times for new reports by more than half.
- Built rest api services using SpringBoot from scratch to enable quick development, faster integration and testing.
- Developed and delivered high performing, optimized code based on interactions with the client/consultant and design documents

Java 7-8 / Angular / ExtJs / XHTML / MySQL / Microservices / Spring Boot / Netflix OSS (Zuul, Eureka, Ribbon, Hystrix)

EDUCATION

2023 – present

Masters Degree in Computer Science, Georgia Institute of Technology

2012 – 2016

Bachelors Degree in Computer Science, Dayananda Sagar College Of Engineering

PUBLICATIONS

2016

A New Approach for Fast Transmission to Remote Cooperative Groups with a New Key Paradigm using Voice Authentication

Springer Verlag Publications

Amith T A, Prathima Mabel J, Rekha Jayaram, and Bindu Bhargavi S.M

HONORS AND AWARDS

2020

Department Spotlight Award

Juniper Networks

Awarded for extensive work on the PCT tool

2018

Spirit Award - Go The Distance

Manhattan Associates

Awarded for impactful work done on co-ordinating with multiple brands to deliver finished products