

AMITH TALLANKI

Software Development Engineer

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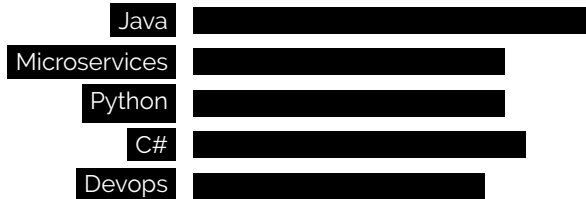
amithtallanki.xyz

github.com/gat007

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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
Machine Learning	Pandas, Numpy, Scikit-Learn, TensorFlow, PyTorch
DevOps	Docker, Kubernetes, Azure DevOps, Git Pipelines, Git
Microservices	Feign Rest Clients, Zuul, Eureka, Ribbon, Hystrix, RabbitMQ, Kibana, Cloud Sleuth, Swagger
Database Systems	NoSQL, CosmosDB, MySQL

EXPERIENCE

2022 – 2025

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.

- Spearheaded Azure Service Bus upgrade for a high-volume architecture, implementing a round-robin strategy that tripled system capacity without increasing costs, reducing message latency by 40% and enhancing throughput.
- 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.
- Developed detailed onboarding documentation and mentored five junior engineers, creating tailored training plans to elevate their cloud engineering skills and productivity, accelerating team integration by 40% and reducing onboarding time by half.
- Designed and optimized CI/CD pipelines, leveraging advanced DevOps strategies to boost code quality by 35% and cut project delivery timelines by 25%. Implemented Azure DevOps best practices, streamlining deployments across teams.
- Enhanced project security by implementing Azure services such as Azure Front Door, Security Center, and Key Vault, securing data and access points, and reducing potential security incidents by 50% through automated monitoring and response.
- Certified as a Microsoft Certified: Azure Solutions Architect Expert; applied this expertise to architect scalable, secure cloud solutions that improved project outcomes, cutting response times by 30% and enhancing overall system stability.

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

2019 – 2022

Software Development Engineer 2

Juniper Networks

Worked 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 and implemented a machine learning-driven log analysis system for build failures, leveraging Random Forest for automated error classification and anomaly detection. Reduced user debugging time by 90% and enhanced system reliability, delivering actionable insights to 10,000+ developers worldwide.
- Built rest api services using SpringBoot from scratch to enable quick development, faster integration and testing.

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

Worked as part of the Product Services Organization (PSO) team, developing interactive reporting solutions based on Jaspersoft Reports that aggregated data from multiple sources for business users. Designed and implemented reports used by clients such as Michael Kors, Michaels, Under Armour, Reitmans, Belk, J.Crew, and Brooks Brothers to drive data-driven decision-making.

- 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.
- Designed and built REST API services using Spring Boot from scratch, enabling rapid development, seamless integration, and efficient testing while delivering high-performing, optimized code based on client requirements 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

Coursework : Machine Learning, Natural Language Processing, Machine Learning Security, Cognitive Science, Human Computer Interaction, Machine Learning for Trading, Knowledge Based Artificial Intelligence

2012 – 2016

Bachelors Degree in Computer Science, Dayananda Sagar College Of Engineering

Coursework : Data Structures and Algorithms, Computer Networks, Database Systems

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