

# Siddharth Mehta

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## EDUCATION

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**Masters of Computer Science**  
Arizona State University

**December 2023**  
**Tempe, AZ**

**Bachelor of Engineering**  
Maharaja Sayajirao University of Baroda

**May 2020**  
**India**

## EXPERIENCE

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**Fullstack Engineer Intern**  
VanEck Associates Corporation

**June 2023 - August 2023**  
**New York, NY**

- Created a Python Django application with LDAP authentication, seamlessly integrating user management and permissions into the existing suite of applications.
- Successfully migrated on-premise databases to Azure SQL database, reducing infrastructure costs by 30% and improving scalability and availability of the application.
- Utilized Azure Redis service for caching frequently accessed data, resulting in a 50% reduction in database read operations and improved overall system responsiveness.
- Engineered a FastAPI framework for API monetization, incorporating essential features such as token authentication, rate limiting, caching, and monitoring using the ELK stack.
- Integrated external APIs such as Stripe for secure payment processing and Finnhub for real-time stock market data, leveraging websocket for efficient and seamless data streaming.

**Software Developer**  
Decision Theatre Network

**March 2022 - Present**  
**Tempe, AZ**

- Engineered high-performance RESTful APIs in Python Flask and Node.js, incorporating key features such as caching, authentication, and extensive unit testing for optimal functionality and reliability.
- Utilized Locust for load testing API, ensuring optimal API performance under heavy traffic. Simulated high user loads, identified bottlenecks, and optimized the system for improved scalability and responsiveness.
- Implemented robust CI/CD pipelines using Jenkins and Github Actions, enabling automated testing, deployment, and monitoring for increased reliability and efficiency.

**Software Engineer**  
Digito Pvt. Ltd

**June 2020 - December 2021**  
**India**

- Successfully delivered multiple end-to-end software projects using Agile methodologies, ensuring efficient requirements gathering, timely delivery, and high client satisfaction.
- Developed and maintained Java Spring Boot applications, delivering efficient and reliable software solutions.
- Designed and optimized complex database schemas, including normalization techniques, resulting in a 30% improvement in query performance and reduced response times for critical operations.

## PROJECT EXPERIENCE

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**Sales Data Generator - SAAS**

- Developed a SAAS with 200 DAU using Node.js and React that empowers users to create customized dashboards, enabling in-depth data analysis through interactive graphs and tables.
- Utilized various AWS services including Amazon Cognito for seamless authentication, Amazon RDS for efficient SQL database management, and Amazon EC2 with autoscaling capabilities for robust and scalable hosting of the SAAS application.

## TECHNICAL SKILLS

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Languages: Java, JavaScript, R, Python, SQL, TypeScript, Go, Bash, PHP

Frameworks & Tools: Spring Boot, NodeJS, Django, Flask, PostgreSQL, MongoDB, MySQL, RabbitMQ, Firebase, Ruby on Rails, Laravel

Cloud: AWS - EC2, S3, Lambda, SQS, DynamoDB, EBS, EKS, CloudFormation, Docker, Kubernetes, Jenkins, Ansible, Terraform, Grafana, Elastic Stack - ELK, Azure - ARM templates, AKS, SQL, Kafka