

HARSH SHAH

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Education

Arizona State University

Aug 2023 – May 2025

Master of Science in Information Technology

Tempe, Arizona

Relevant Coursework : Software Architecture and Design, Advanced Database Management Systems, Analyzing Big Data, Advanced Big Data Analytics/AI, Cloud Architecture, Advanced Data Structures and Algorithms, Cybersecurity and Privacy.

Ldrp Institute of Technology

Aug 2018 – May 2022

Bachelor of Engineering in Computer Science

Gandhinagar, India

Work Experience

Java Developer

Brevitaz Systems, Bangalore, India

January 2022 - August 2023

- Developed, tested, and deployed enterprise-level applications using Java, Spring, and Java EE frameworks, ensuring adherence to object-oriented programming principles.
- Created and integrated RESTful APIs and microservices to support data exchange and improve scalability across distributed systems.
- Designed and implemented multithreaded applications, leveraging Java concurrency techniques to optimize processing speed and manage parallel operations.
- Managed relational databases such as SQL Server, developing complex queries and stored procedures to support application back-end functions.
- Utilized Amazon AWS services, including EC2, S3, and RDS, for deploying and managing cloud-based applications and ensuring data storage scalability.

Projects

Project: Secure Banking API Development

Description: Developed a secure and scalable RESTful API for a mobile banking system, supporting functionalities such as account creation, balance inquiries, transactions, and loan applications. Ensured compliance with financial regulations like PCI-DSS and GDPR. Integrated third-party services, such as payment gateways and credit bureaus, to enhance service offerings.

Technologies Used: Python, Node.js, RESTful API design, AWS (Lambda, API Gateway), MySQL, OAuth2.0, JWT for authentication.

Project: Mobile Banking Application

Description: Built a cross-platform mobile banking application using Flutter that allowed users to view credit scores, manage transactions, and access financial tools. The app communicated with secure RESTful APIs to fetch and display real-time financial data. Implemented encryption and multi-factor authentication to ensure security compliance.

Technologies Used: Flutter, Dart, RESTful APIs, Firebase, AWS (Cognito for authentication), Git for version control.

Technical Skills

- **Programming Languages:** Python, Java, Node.js, Go, ReactJs
- **API Development:** RESTful API design and architecture, API Gateway, OAuth2.0, JWT
- **Mobile App Development:** Flutter, React Native, Swift
- **Cloud Platforms:** AWS (Lambda, API Gateway, Cognito), GCP, Azure
- **Database Management:** MySQL, MongoDB
- **Security Compliance:** PCI-DSS, GDPR, encryption techniques
- **Tools and Frameworks:** Microservices architecture, Git, CI/CD pipelines
- **DevOps Practices:** Continuous Integration/Continuous Deployment (CI/CD), Docker, Kubernetes