

TULASI KISHORE REDDY CHAVALI

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EDUCATION

Master of Computer Software Engineering, Northeastern University, Boston, MA May 2023
Coursework: Database Management Systems, Object-Oriented Programming with Java, Data Structures and Algorithms, Web Tools and Methodologies, Design Patterns, Distributed systems

SKILLS

Programming	Java, Python, JavaScript, TypeScript
Database	SQL-Server, MySQL, MongoDB, DynamoDB, Postgres, T-SQL, PL/SQL
Web Technologies	HTML5, CSS3, Bootstrap
Frameworks	Spring Boot, Spring MVC, Hibernate, ReactJS, Angular, NodeJS, Selenium, TensorFlow
Cloud Technologies	AWS (Lambda, EC2, S3, SQS, SNS, Elasticsearch, SageMaker, Step functions)
Miscellaneous	UNIX, Linux, Shell scripting, Bash, Git, Maven

PROFESSIONAL EXPERIENCE

Software Developer Intern, Amazon Web Services, Arlington, VA Jun 2022 - Sep 2022

- Designed a fraud detection system into AWS Athena, resulting in a 10% reduction in fraudulent users and enhanced platform security
- Modified logic of the API that increased the read/write capacities of the DynamoDB backup tables by 7%
- Added new features at restore time to change billing mode with Python, which reduced the restore cost by 4%
- Delivered project ahead of time and completed stretch goal

Software Developer, Infosys Aug 2020 - Aug 2021

- Led the successful development and deployment of a cutting-edge, high-performing web application using TypeScript, Node.js resulting in a 20% increase in user retention
- Implemented REST API's for back-end systems using Spring boot
- Created and optimized SQL queries, indexes, and stored procedures for efficient data retrieval and processing
- Implemented a CloudWatch event source trigger which trigger aggregation for every 24 hours
- Streamlined deployment processes and improved software quality by implementing CI/CD pipelines, employing tools such as Docker, Jenkins and Kubernetes resulting in 25% decrease in deployment time
- Experience with SDLC, software development models like Agile, JIRA and Scrum Model for efficient project management

Associate Software Developer, Infosys Aug 2019 - Aug 2020

- Designed and maintained RESTful API's using Spring MVC, Spring Boot for seamless integration with 10+ front-end applications, reducing server response time by 40% and Improved page load speed by 35%
- Incorporated Spring Data JPA, Hibernate for database access, object-relational mapping, and efficient querying of MySQL
- Conducted code reviews with best practices in Java programming, design patterns to ensure the maintainability and scalability of the applications
- Collaborated with cross-functional teams to design and implement scalable and efficient solutions

PROJECTS

Inventory Management System, (*Java, Spring MVC, Spring Boot, React, MySQL*) Mar 2023 - May 2023

- Leveraged Spring MVC for API calls, Hibernate for data CRUD operations, and React for UI
- Enhanced system performance through the effective use of with Strategy, Facade, State, Command, Observer, Builder, Decorator, and Prototype design patterns

Northeastern Bank, (*Java, Spring MVC, Angular, MySQL*) Sep 2022 - Dec 2022

- Created user interface for a banking application using Angular framework
- Programmed RESTful API's using Spring MVC, data persistence using Spring Data JPA, Hibernate

Travel Planner, (*React, JavaScript, HTML5, CSS3, NodeJS, Express, MongoDB*) Nov 2021 - Dec 2021

- Devised a highly responsive single page trip planner website for users to build itineraries
- Executed REST API's using Node.js, MongoDB and React to create custom UI components