

# Yugesh Reganti

SOFTWARE ENGINEER

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## Profile

- **5+ years of experience** as a Java Software Developer with a specialization in the development and customization of web applications using Java/Spring Boot.
- Well-versed in using Software Development Life Cycle (SDLC) methodologies based on **Agile** and **Waterfall**.
- Proficiency in **Java/J2EE** technologies such as **JDBC, Java Beans, JSON, Restful, Servlets, Hibernate, Spring MVC, Spring Boot, Spring JPA, Spring Security, Microservices, and JSP**.
- Proficient in RDBMS systems such as **MySQL and OracleSQL**, as well as well-versed in NoSQL databases like **MongoDB, DynamoDB, and Elasticsearch**.
- Knowledge of AWS cloud services like **EC2, EBS, EKS, Lambda, S3, RDS, ELB, EFS, and VPC** for the installation and configuration of resources.
- Proficient in using build tools such as **Maven** and bug/issue tracking, project tracking, and management tools like **Jira and Jenkins**.
- Knowledge of UI design and designing dynamic web applications using **JSP, HTML, CSS, JavaScript, JSON, Node.js and React.js**.

## Professional Experience

### DBS Tech

Hyderabad, India

#### TECHNOLOGY ANALYST

Dec. 2019 - Nov. 2021

- Led a team of three in the development of a **Java Spring Boot Web Application** for a new **synthetic deposits** product by implementing agile practices, resulting in a 5% increase in profitability.
- Enhanced the synthetic interest calculation algorithm for better accuracy and performance, achieving a **25%** boost using **multithreading** in **Java**.
- Designed and optimized a comprehensive blotter system, listing deals booked by RM with filters and search features. Utilized **AG Grid** and **pagination** system with **Elasticsearch**(NoSQL Database) to boost data retrieval speed by **4 times**.
- Utilized a **microservices** architecture to automate CRM for FX deal booking, achieving a substantial reduction in booking time from **3 hours to 5 minutes** by leveraging **REST APIs** that talk to multiple bank systems.
- Secured sensitive data of millions of users by implementing **OAuth2 with Spring Security** for authentication and authorization.
- Implemented **WebSockets and Apache Kafka** to cut latency by **50%**, enhancing user experience with real-time exchange rates.
- Improved code quality and **reduced bugs by 20%** by implementing unit tests using **JUnit and Mockito**. Implemented **centralized exception handling** across microservices, enhancing system reliability and maintainability.
- Introduced **GraphQL** to the team, reducing the number of API endpoints by **50%** and significantly minimizing maintenance efforts.
- Managed full application lifecycle, deploying **docker apps in AWS** using **Jenkins CI/CD** for development and production.

### Edgeverve Systems (Infosys)

Hyderabad, India

#### SENIOR SYSTEMS ENGINEER

May. 2016 - Nov. 2019

- Led a team of 6 in implementing **International Finance Reporting Standards (IFRS)** within Finacle Banking Solution.
- Reduced manual effort by **40%** through the use of **REST APIs** for fair value calculation and IFRS categorization of bank accounts.
- Introduced the team to **JasperReports**, significantly reducing report development time by **30%**
- Optimized **bulk transaction API's** and **batch/cron jobs** by implementing multithreading, resulting in a **30%** reduction in processing time for transactions from external payment systems.
- Created reports with **iReport** for balance sheet analysis, supporting daily, monthly, and yearly decisions.
- Developed custom UI screens using AngularJS and REST APIs for capturing customer debit card details.

## Academic/Personal Projects

### Cryptographic Algorithm Implementation and Performance Enhancement

#### SKILLS: JAVA, DES, AES, SHA, RSA, CRYPTOGRAPHY

- Implemented AES, DES, SHA, RSA, and Basic ciphers in JAVA, achieving a 4-fold speedup through performance optimization techniques like Multiply and Square, Double and Add, and the Chinese Theorem.

## Bank Marketing Data Analysis

**SKILLS: PYTHON, JUPYTER NOTEBOOK, NUMPY, PANDAS, CLASSIFICATION, BIG DATA**

- Utilized Python, Jupyter Notebook, NumPy, and Pandas to pre-process and optimize a large bank marketing dataset for predicting customer term deposit decisions. Applied various classification techniques, achieving a remarkable 92% accuracy using RandomForestClassifier.

## Webapp for college Techfest, SVU College of Engineering

**SKILLS: HTML, CSS, JAVASCRIPT, PHP, MYSQL & WEB HOSTING**

- Developed and hosted a web application for the college's Techfest, utilizing HTML, PHP, JS, CSS, and MySQL. The application enabled online registration, real-time updates, and efficient workshop allocation, reducing manual effort by 50%.

## Technical Certifications

<b>AWS Certified Developer Associate</b> , Amazon Web Services	Jan. 2024
<b>AWS Certified Cloud Practitioner</b> , Amazon Web Services	Jan. 2024
<b>Certification in Operating Systems</b> , Arizona State University (ASU) CPE Program	Jul. 2021
<b>Certification in Principles of Programming Languages</b> , ASU CPE Program	Jul. 2021
<b>Certification in Computer Organization and Assembly Language Programming</b> , ASU CPE Program	Jul. 2021
<b>Data Structures and Algorithms</b> , Coursera	Jun. 2021
<b>Java Programming and Software Engineering</b> , Coursera	May. 2021
<b>SRE Practitioner</b> , SRE accreditation program of DBS	Aug. 2020
<b>Application Security Titan</b> , Security certification of DBS	May. 2020

## Achievements and Activities

- Secured the **3rd rank in the Hackathon** (Hack a Heart) conducted by Aconex on the HackerEarth platform. Achieved recognition for innovative thinking, collaboration, and problem-solving abilities, and was awarded an iPad as a prize
- Ranked in the **Top 5** participants in the hackathon organized by DBS Tech. Recognized for outstanding performance, which resulted in a full-time employment offer for demonstrating exceptional problem-solving and technical skills
- Teaching Assistant** position at **RIT** (Rochester Institute of Technology), showcasing strong academic credentials and expertise in the relevant subject matter
- Received the **EVSUPERLEAGUE Award** for successfully customizing the Liquidity Management System and integrating it with the Core Banking System for RAKBANK. Showcased exceptional technical expertise and contributed to enhancing the bank's efficiency in managing liquidity
- Recognized as a **Top performer** by the senior management team at Infosys for securing a remarkable score of **93%** in the SWE (Software Engineering) training. Demonstrated strong dedication, technical competence, and commitment to excellence
- Coordinator in a **Non-profit organization** (passmanovikas) to provide medical and basic needs for mentally challenged children

## Skills

<b>Programming</b>	Java, Python, C, C++, Finacle Scripting, Javascript, NodeJS, ReactJS, AngularJS, PHP, Shell Scripting
<b>Database</b>	MySQL, Oracle SQL, Microsoft SQL Server, NoSQL, DynamoDB, Elasticsearch
<b>DevOps</b>	Jenkins CICD Pipeline, AWS(Stack, EC2, IAM, ECS, RDS, S3, Lambda, EKS, Fargate, ALB), Kubernetes, Docker, OpenShift
<b>Other</b>	HTML, CSS, Apache Kafka, GraphQL, Rest API, SOAP, AJAX, Spring Boot, Bootstrap, OAuth, WebSockets, JasperReports, GitHub, Git, BitBucket, Jira

## Education

### New England College

*Henniker, New Hampshire*

**M.S. IN COMPUTER INFORMATION SYSTEMS . G.P.A - 4.0/4.0**

*Oct. 2022 - Present*

G.P.A - 4.0/4.0

### Rochester Institute of Technology

*Rochester, New York*

**M.S. IN COMPUTER SCIENCE**

*Jan. 2022 - Jul. 2022*

G.P.A - 4.0/4.0

### Sri Venkateswara University

*Tirupati, India*

**B.TECH IN MECHANICAL ENGINEERING**

*Sep. 2012 - Apr. 2016*

G.P.A - 3.98/4.0