

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**.
- Knowledge of UI design and designing web applications using **HTML, CSS, JavaScript, Node.js and React.js**.

Skills

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

Professional Experience

New England College

Henniker, NH

Adjunct Faculty in Information Systems

Jan. 2024 - Present

- Teaching graduate-level courses in **Java, Python Programming and Network Communications**
- Collaborate with students to identify areas for improvement and implement strategies to address challenges.
- Provide guidance and support to students on their projects, offering mentorship and assistance to help them achieve their academic goals.

Development Bank of Singapore Tech

Hyderabad, India

Java Full Stack Developer

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, achieving a **25%** boost using **multithreading** in **Java**.
- Utilized **AG Grid** and **pagination** with **Elasticsearch**(NOSQL DB) 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.
- Implemented **OAuth2 with Spring Security** for authentication and authorization to secure the Application.
- Implemented **WebSockets and Apache Kafka** to cut latency by **50%**, to provide real-time exchange rates.
- Improved code quality and **reduced bugs by 20%** by implementing unit tests using **JUnit and Mockito**.
- Introduced **GraphQL** to the team, reducing the number of API endpoints by **50%**.
- Managed full application lifecycle, deploying **Kubernetes managed docker containers** using **Jenkins CI/CD**.

Edgeverve Systems (Infosys)

Hyderabad, India

Senior Software Engineer

May. 2016 - Nov. 2019

- Led a team of 6 in implementing **International Finance Reporting Standards (IFRS)** in Finacle Banking Solution.
- Reduced manual effort by **40%** through the use of **REST APIs** for fair value calculation 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 perform data analysis on a 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

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

Achievements and Activities

- Secured **3rd rank in the DS and Algorithms Hackathon** (Hack a Heart) conducted by Aconex on the HackerEarth platform.
- 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.
- Received the **EVSUPERLEAGUE AWARD** for successfully customizing the Liquidity Management System and integrating it with the Core Banking System for RAKBANK.
- Recognized as a **Top performer** at Infosys for securing a score of **93%** in the Software Engineering training.
- Coordinator in a **Non-profit organization**(passmanovikas) to provide basic needs for mentally challenged children.

Education

New England College

M.S. in Computer Information Systems . G.P.A - 4.0/4.0

Henniker, New Hampshire

Oct. 2022 - Dec. 2023

Rochester Institute of Technology

M.S. in Computer Science . G.P.A - 4.0/4.0

Rochester, New York

Jan. 2022 - Jul. 2022

Sri Venkateswara University

B.Tech in Mechanical Engineering . G.P.A - 3.98/4.0

Tirupati, India

Sep. 2012 - Apr. 2016