Kolla Prakyath

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EDUCATION

University Of Maryland Baltimore County — Baltimore, MD
Master's in Management Information Systems, Minor in Information Studies — *August 2021 – December 2022*

Gokaraju Rangaraju Institute of Engineering and Technology — Hyderabad, IND
Bachelor's in Mechanical Engineering — *August 2016 – September 2020*

EXPERIENCE

Senior Full Stack Developer — January 2023 – Present
Tiaa — *Charlotte, NC*

- Spearheaded **production support** operations as the primary contact, collaborating with **cross-functional** teams to resolve critical issues, achieving **99.9%** uptime and reducing response times by **30%** for key incidents.
- Led the migration of legacy front-ends from **Vue.js** and **Ext.js** to a micro-front-end architecture using **Angular**, employing lazy loading, Angular modules, and a component-based design to enhance modularity and reducing load times by **30%** while ensuring a seamless user experience.
- Developed a scalable **microservices** architecture with **Spring Boot**, integrating it with an **Oracle** database using **Hibernate** and **RESTful APIs**, boosting system scalability by **35%** and cutting data retrieval time by **25%**.
- Enhanced **Single Sign-On(SSO)** security by implementing **Ping Access** and **Ping Federate**, reducing unauthorized access incidents by **20%** and streamlining authentication for over **10,000** users.
- Streamlined real-time monitoring with **Splunk**, reducing incident response times by **30%** and improving overall system reliability.
- Upgraded applications from **Java 11** to **Java 17**, leveraging features like **sealed classes** and **pattern matching** to enhance maintainability, boost performance, and align with modern development standards.
- Automated **ETL** workflows using **Quartz Scheduler** and **Spring**, integrating email alerts for failures, improving monitoring efficiency by 30% and ensuring timely data availability.
- Migrated **five** applications from **Apache Tomcat** virtual servers to **OpenShift AWS**, utilizing **Docker** for **containerization** and **Kubernetes** for **orchestration**, improving deployment efficiency by **40%**.
- Optimized database structures by developing tables, **procedures, functions, and triggers** in **PL/SQL**, improving query performance by **20%** and ensuring efficient data retrieval for critical operations.
- Executed the migration of **10 TB** of data from **Hadoop** to **Snowflake** via **AWS S3** using **Binlog reader** for real-time **SQL** change capture, enhancing storage efficiency by **40%** through optimized **ETL** and validation.
- Built a **machine learning** model with supervised algorithms for sentiment classification and feedback categorization on customer reviews, achieving **99%** accuracy.
- Integrated **Python**-based **ML** pipelines with **Flask APIs**, applying **NLP** techniques like **TF-IDF, Word2Vec, GloVe, and BERT** to generate actionable insights from customer reviews.

Skills: Angular, Spring Boot, Hibernate, Oracle, Docker, Kubernetes, OpenShift AWS, NLP, Splunk, SSO, PingAccess, PingFederate, Java 11, Java 17, Vue.js, Ext.js, Restful APIs, Python, Machine Learning, Flask APIs, Hadoop, Snowflake, ETL, AWS S3.

Full Stack Developer — June 2022 – December 2022
JP Morgan Chase CO. — *Charlotte, NC*

- Developed responsive web applications using **React** and **Tailwind CSS**, enhancing user engagement by **30%**, and utilized **Next.js** for server-side rendering to accelerate page load speeds by **40%**.
- Integrated the frontend with a scalable backend built with **Node.js**, **Express.js**, and **GraphQL APIs**, streamlining data queries to reduce execution times by **35%** while ensuring secure integration with **MongoDB**.
- Implemented secure authentication using **OAuth 2.0**, improving access control and reducing login response times by **25%** while leveraging **AWS Secrets Manager** for robust data management.
- Authored **unit tests** using **Jest** and **Cypress**, achieving **90%** test coverage and improving reliability by identifying and resolving critical issues early in development cycle.
- Deployed the application on **AWS** using services like **EC2, S3** for hosting, while leveraging **CodePipeline** for CI/CD, **CodeBuild** for building and testing and **CodeDeploy** for seamless deployments to **EC2** instances.
- Optimized application monitoring with **Amazon CloudWatch** by configuring custom metrics and automated alerts, reducing incident response times by **40%** and enhancing system reliability.

- Designed a scalable data pipeline on **GCP** with **BigQuery**, processing **1 billion+** records daily, cutting costs by **25%**, and boosting report generation speed by **40%** to enable faster, data-driven decisions.

Skills: React, Tailwind CSS, Next.js, Node.js, Express.js, GraphQL APIs, MongoDB, OAuth 2.0, Jest, Cypress, AWS (EC2, S3, CodePipeline, Secrets Manager, CodeBuild, CodeDeploy, CloudWatch), GCP, BigQuery.

Software Engineer June 2018 – July 2021
Wipro Limited *Hyderabad, IND*
- Engineered dynamic single-page applications **(SPAs)** using **Angular**, **HTML**, **CSS**, **Bootstrap**, **JavaScript**, and **TypeScript** with a modular architecture and reusable components, reducing load times by **25%** and boosting user engagement.
- Developed a **J2EE** application with **Spring MVC**, leveraging design patterns like **MVC**, **DAO** and **Business Delegate** to improve maintainability by **30%**.
- Enhanced performance and code readability by utilizing **Java 8** features including **(lambda expressions, streams, functional interfaces)**.
- Built and integrated **SOAP APIs** with a **Spring Data JPA** backend, optimizing interactions with a **MySQL** database, improving data access performance by **30%**, and ensuring secure and reliable communication.
- Implemented **JWT**-based authentication for robust access control and integrated **Apache Kafka** for real-time messaging, enhancing scalability and reducing message latency by **25%**.
- Engineered a resilient cloud infrastructure using **Azure Kubernetes Service (AKS)**, **Azure Load Balancer**, and **Azure Disk Storage**, achieving 99.99% availability and enabling seamless scaling during peak traffic.
- Deployed scalable applications on **Azure App Services**, employing **Azure Monitor** and **Log Analytics** for real-time monitoring and **Azure DevOps** to automate **CI/CD** workflows, increasing deployment efficiency by **30%**.

- Conducted **unit testing** using **JUnit** and **Mockito**, achieving **95%** test coverage and resolving critical bugs early in the development lifecycle.

Skills: Angular, HTML, CSS, Bootstrap, JavaScript, TypeScript, Java 8, Spring MVC, J2EE, SOAP APIs, Spring Data JPA, MySQL, JWT, Apache Kafka, Azure App Services(Azure Monitor, Log Analytics), Azure DevOps, Azure Kubernetes Service, Azure Load Balancer, Azure Disk Storage, JUnit, Mockito.

TECHNICAL SKILLS

Methodology: SDLC, Agile
Languages : Core Java, Java 8, Java 17, SQL, C++, C#, Python
Frameworks/Libraries : Spring MVC, Hibernate, React.js, Angular, Spring Boot, SOAP, Microservices, Spring Security, API Gateway, Node.js
IDE's : NetBeans, IntelliJ IDE, Eclipse, Xcode, Visual Studio Code
J2EE Technologies : Servlets, JSP, JavaBeans, JDBC
Web Technologies : HTML, CSS, Bootstrap, JavaScript, TypeScript, jQuery, Ajax, JSON, XML, GraphQL
Application Server : Apache Tomcat, AWS, Azure, GCP
Databases : MySQL, Oracle, DB2, PL/SQL, SQL Server, PostgreSQL, NoSQL, Tableau
Build /Other tools : MS Visio, Maven, Gradle, Junit, Mockito, Cucumber, Jenkins, Docker, Kubernetes, Kafka, Kibana, Terraform, SonarQube, Postman, Swagger, Splunk, Spark, Redis, Service Now
Version Control Tools : Git, GitHub, Git Bash, Git Lab, Jira, Bit Bucket