PREETI RANI PAL

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SUMMARY

- **2.10 years** of experience in Java development and Cloud development in **DigiSprint Solutions Pvt Ltd**.
- Professional experience in development and implementation high available, scalable and secure infrastructure for product hosting on cloud.
- Passionate to work in an innovative and challenging environment with the state-of-art technology that enhances my skills and knowledge my desire and drive to succeed will be an asset, which I will contribute to organization's growth and profitability.
- Proficient in **Data structures and Algorithms** , **Object-Oriented** programming and **GCP.**
- Experience in development of application in Springboot applications and hosting in GCP. Such as Cloud build, Cloud Run, App Enginee, Compute Engine.
- Currently exploring Artificial Intelligence and chatbot development.
- Developed simple chatbot using the LLaMA model.
- Underwent Python training to strengthen programming fundamentals.
- Explored various AI tools and frameworks such as Firebase Studio, Dialogflow, and FastAPI to understand AI model deployment and integration.

TECHNICAL SKILLS

Java	Springboot	Spring MVC	Microservices
HTML	CSS	Java Servlets	Rest API
Reactive Programming	Postgre Sql	Mysql	Mongodb
Git	GCP(App enginee)	GCP(Compute Enginee)	GCP(Cloud Build,Cloud Run)

EXPERIENCE

PROJECT: GMMCO(YMS), LOCATION: Chennai (India)
Role: Software Engineer
Technologies used: Java 17, Stream API, Java Mail Senders, SpringBoot, MySql, Git, GitHub

- **Backend Feature Development for Product AITBKS Website.**
  - Analysis of the requirements for development and enhancement of the application.
  - Yard Management System, a web-based application used by Gmmco to track inward vehicles, maintenance activities, and vehicle dispatch.
  - Developed backend services using Micro Services Architecture for scalability and maintainability.
  - Implemented Java-based modules for vehicle registration and workflow management.
  - Designed and developed the Access Control Layer and Workflow Micro services, ensuring role-based access control for users such as Super Admin, Admin, Yard Manager, Technician, and Security.
  - Developed and integrated RESTful APIs with the frontend for seamless interaction.
  - Optimized database queries and improved performance for better efficiency.
  - Implemented logging and monitoring mechanisms for better issue tracking and debugging.
  - Performed API testing using Postman and wrote unit tests using JUnit to ensure reliability.
  - Collaborated with the QA team for defect resolution and system stabilization.
  - Worked on security enhancements, including token-based authentication using JWT.
  - Participated in code reviews, documentation, and troubleshooting to ensure high-quality deliverables.
  - Worked as an integral part of the development team, contributing to both new feature development and maintenance of the system.

PROJECT: AITBKS, LOCATION: Hyderabad (India)

Role: Software Engineer

Technologies used: Java 17, Stream API, Java Mail Senders, SpringBoot, MongoDB, Git, GitHub, GCP

- **Backend Feature Development for Product AITBKS Website.**
    - Design and Analysis of the requirements for development and enhancement of the application. Implemented HLD & LLD for the feature with documentation.
    - AITBKS Website is software which is used by customers to keep track of members and their roles based on the origanization.
    - Java coding for the feature **Email** along with **dynamic image retrival** & Java Coding in **Spring MVC** in Backend.
    - Implemented security for the application using spring security.
    - Generated JWT tokens for api's accessing and performing relevent actions.
    - Implemented role-based authentication and authorization.
    - Write and Review of deliverables (code/documents) & Worked as an integral part of the development team with troubleshooting development and maintenance of systems .
    - Written Unit testing using Junit and invloved with QA team to reslove bugs.
    - Deployed the Backend code in **GCP Cloud Build**.
    - Deployed the Frontend code in **GCP App Engine**.

PROJECT: AUTOVILLE, LOCATION: Pune (India)

Role: Software Engineer

Technologies used: Java 17, SpringBoot, PostGre SQL, Git, GitHub, GCP

- **Backend Feature Development for Product Autovilee Website.**
    - Design and Analysis of the requirements for development and enhancement of the application. Implemented HLD & LLD for the feature with documentation.
    - **Autovile Wesbite** is a vendor management software which is used by customers to keep track of Electric vehicles.
    - The primary objective of this project is to efficiently track vehicles, monitor their status, and manage billing information. Additionally, the project focuses on the outsourcing of vehicles to food delivery partners, enabling comprehensive tracking of vehicle usage, driver performance, and associated payment details.
    - By leveraging this system, the EV company aims to enhance operational efficiency, ensure transparency in billing, and maintain robust oversight of vendor and driver activities.
    - Developed services in microservice architecture.
    - Implemented api gateway using spring gateway.
    - Have worked on export functionality of raw vehicle data into database.
    - Write and Review of deliverables (code/documents) & Worked as an integral part of the development team with troubleshooting development and maintenance of systems.

PROJECT: RECURITMENT PORTAL

Role: Jr. Software Engineer

Technologies used: Java 17, Stream API, Java Mail Senders, SpringBoot, PostGre SQL, Git, GitHub, GCP

- **Backend Feature Development for Product Recuritment Portal Product.**
    - Design and Analysis of the requirements for development and enhancement of the application. Implemented HLD & LLD for the feature with documentation.
    - Worked on candiate/employee authorization.
    - Used JWT tokens to generate the tokens and applied access restriction for different levels of user.
    - By using the concept of Graphclient developed the notification modules.
    - Worked on analytics part of the candidates to develop graphical data.
    - Integration with outlook for sending notifcations and emails.
    - Used SMTP server and TTLS topics for sending emails.
    - Testing the code with junit and working with QA team to solve the errors.
    - Involved in bug fixes and provided solution for the same.
    - Involved in production support.
    - Deployed the code in GCP (Google cloud platfrom).
    - Backend code deployed in Compute engine.

PROJECT: HRMS

Role: Jr. Software Engineer

Technologies used: Java 17, Stream API, SpringBoot, PostGre SQL, Git, GitHub, GCP

- **Backend Feature Development for Product Autovilee Website.**
  - Design and Analysis of the requirements for development and enhancement of the application. Implemented HLD & LLD for the feature with documentation.
  - HRMS – human resource management system helps in aiding employee's management for the company. It is used to display employees in current projects and display analytics.
  - Worked with MongoDB for database transcation.
  - Provided employee data for data visulaizaton.
  - Used Java 8 concepts like Streams API to supply the employee data.
  - Worked in employee data migration and admin module.
  - Testing the code with junit and worked with QA team to solve the errors.
  - Deployed the code in GCP (Google cloud platfrom).
  - Backend code deployed in Compute enginee.
  - Involved in bug fixes and provided solution for the same.
  - Provided production support.

CERTIFICATIONS

- Java Fundamentals and J2EE certified.

EDUCATION

GardenCity University, Banglore   June 2017– June 2022

Bachelor of Computer Application