Gowtam Sai Sankar Gottam

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Professional Experience

Software engineer, NetElixir   Hyderabad, India

At Netelixir, I worked as a Software Engineer.

- In the backend, I built applications with **microservices** using **Spring Boot**. This included creating **Spring Bean Classes** for **business** logic and utilizing **Spring MVC** to craft **REST controllers**. The application was seamlessly integrated through Spring-MVC using **Spring Boot** and **Dependency Injection**.
- I created and maintain an FEATURED TOOLS on the frontend using **React JS**. It helps analyze webpages for better search engine performance.
- Managed data effectively with **Hibernate ORM**, boosting the tool's performance.
- Crafted user-friendly sidebars for smoother navigation, using expertise in **HTML5**, **CSS3**, and **Bootstrap**.
- Developed easy-to-use drop-down menus using **JavaScript** and **JQuery**.
- Integrated user-friendly features for enhanced usability, highlighting my **UI/UX** design skills.
- Deployed the tool seamlessly with **AWS** and **Jenkins**.
- Managed user data efficiently by utilizing **MongoDB**, ensuring seamless storage of user preferences, tool usage, and website statistics.
- Engaged in thorough Unit Testing and **CI/CD** via **Bugzilla**, enhancing software stability.
- Used **JIRA** for tracking tasks and **Jenkins** for quick software updates, enhancing teamwork and speeding up project work.

PHP Developer, OyeLabs   Hyderabad, India

- I used **PHP** to create interactive web pages and build a system for users to easily sign up and log in on the project's website.
- Employed **JSON** format for seamless data exchange across application components, enhancing communication.
- Utilized **Tomcat** to host the app, making it accessible to users online.
- Managed code changes effectively using **Version Control tools**, supporting collaboration within the development team.
- Verified **REST API** functionality using **Postman**, including calling location APIs for data verification.
- I integrated **SOAP** (Simple Object Access Protocol) into the code, allowing different programs to communicate using **XML** messages. This enabled data sharing and interaction between applications in a structured manner.

ITS Student Administrative Assistant, NAU ITS   Flagstaff, United States

- Managed duplicate EMPLIDs in NAU's **PeopleSoft** System, resolving issues through manual clean-up.
- Collaborated on creating a Duplicate Application System, reviewing cases, and ensuring data accuracy.
- Assisted with website updates and **bug** fixes to enhance user experience.
- Utilized **Tableau** to represent student data based on class grade, improving data visualization and insights.

Education

Masters in Computer Science, Northern Arizona University   01/2022 – 05/2023 | Flagstaff, United States
GPA - 3.55

Bachelors of Technology in Computer Science and Engineering,   08/2016 – 05/2020 | Hyderabad, India
Institute of Aeronautical Engineering
GPA - 3.10

Skills

Development Languages
Java, Python, JavaScript, HTML & CSS, SASS (SCSS), PHP, Kotlin

Frameworks
NodeJS, Django, Flask, FastAPI, ExpressJS, Spring boot, ReactJS, Angular JS, Redux, Bootstrap, Tailwind CSS, JQuery, React Native, JavaFX, Hibernate ORM, AWS, Jenkins, R Studio

Servers
Tomcat ,Oracle WebLogic Server

Data base
Mongodb, MySQL, Oracle

Others
Bugzilla, Unit testing, CI/CD, agile, System testing, WooCommerce, WordPress, Shopify, Google Analytics Tag Manager, Davinci resolve, Paid search, Paid social, SEO/PPC Engineering Products and Services Digital marketing, Kafka, Maven, Power BI

Projects

Real time twitter sentiment Analysis   03/2021
While working at NetElixir, I developed a **Python** API enabling users to input a topic and access **real-time tweets** through the **Twitter API**. Integrated **Google NLP** for **sentiment analysis** to classify tweets as Positive, Negative, or Neutral. Utilized **Power BI** for visualizing data and **Postman** for **API testing**, enhancing the project's functionality and presentation.

Electronic RE-USE 12/2018

I developed the website, enabling users to trade damaged electronics for rebuilding. Utilized **JavaScript** to create interactive elements, **PHP** for backend functionality, and **CSS** for appealing designs.

Automatic Extraction of Number Plates of Two-Wheelers without 01/2020
Helmet from CCTV Footages and Automatic Fine Generation,
(Major project)

I employed **YOLOv2**, a **machine learning** algorithm, to automate helmetless two-wheeler detection in videos. Utilizing **Python**, I extracted number plates and updated fine data on the **server**. Further, I integrated SMS alerts to registered phone numbers, enhancing the project's functionality.

Peer-to-Peer-chat-Stick-Topology/`Ring-Topology 02/2022

Using **Java sockets** and **threading** for **P2P** communication, enabling **real-time messaging** using the stick topology/ring topology in a distributed system. Java served as the backend, while the project also employed **MySQL** for data storage and Apache **Tomcat** for web **server** hosting.

TransactionServer 04/2022

I developed a **transaction server** in Java to handle a configurable number of data objects functioning as **banking** accounts. Each account holds a specific amount of money. This project incorporated Java for the backend and used **MySQL** for data storage, ensuring efficient account management.

GG Wander, Android Application 06/2023

I designed the "GG Wander" Android app using **Kotlin** in **Android Studio**. The app utilized **Gradle** for efficient project management and Android platform for seamless user experience. It **targeted API 31** to ensure compatibility with the latest features.

Obstacle Detection Mini Car 10/2018

By integrating **Arduino** and an **ultrasonic** sensor, I crafted a **robot** capable of navigating in multiple directions. Utilizing the **Arduino IDE**, I coded the robot to detect obstacles and alter its path

Minion-Mobile Controlled Cleaning Rbot, (Mini project) 06/2019

I have created a robot using **IOT** tech which mobs the floor using **arduino** and **bluetooth module** controlled through mobile, **IOS** and **Android**

Certificates

J-HUB HACKATHON LEAGUE (Certificate of MERIT(Bronze medal))

PROJECT EXPO'17 (Obstacle detection mini car using iot) | **Hackerrank** (React JS, Java, JavaScript, Angular)

Google Digital Unlocked (The Fundamentals of Digital Marketing)

Great Learning (Java Programming, Python, Machine Learning)

LinkedIn (Python, C#, JavaScript, SQL Programming, web security)