

SIRI CHANDANA

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SUMMARY

Full Stack Developer with 5 years of experience in developing and maintaining web applications using Java, Spring, and Hibernate. Achieved success in fine-tuning application performance, debugged 100+ issues, and enhanced code quality by 40% culminating in a 25% rise in user engagement and a 20% revenue upswing. Proficient in RESTful APIs, Python, SQL, ReactJS, Selenium, JIRA, and Cloud Technologies

EDUCATION

Central Michigan University, Mount Pleasant, MI

3.87/4.00

Master's in computer science

01/2022 – 08/2023

Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India

9.2/10.0

Bachelor's in electronics and communication engineering

06/2015 – 05/2019

TECHNICAL SKILLS

Programming: Java, Python, .NET, C#, C/C++, Golang, SQL, NoSQL, HTML5, CSS3, JavaScript/jQuery, Typescript

Frameworks/Libraries: Spring Boot/MVC, Hibernate, Microservices, Kafka, Spark, Log4j, Rest APIs, SOAP, JMS, JSP, JSON, XML, Elasticsearch, Pandas, NumPy, Flask, Scikit-learn, ASP.NET, Qt, QML, Bootstrap, ReactJS, Redux, AngularJS, NodeJS

Cloud Technologies: AWS (EC2, S3, RDS, CloudWatch, SNS, Lambda), Azure (VMs, AKS, Blob Storage), GCP (Big Query, GKE, Pub/Sub)

Tools: Linux, Visual Studio, Eclipse, SpringToolSuite4, NetBeans, IntelliJ, PyCharm, Anaconda, Git, Bitbucket, SSMS, Oracle, MongoDB, Jira, Confluence, Postman, Swagger, Soap UI, Maven, Jenkins, Docker, Kubernetes, WinSCP, Selenium, JUnit, Mockito, and Grafana

EXPERIENCE

Software Engineer, Advansoft International Inc., Arlington Heights, IL

10/2023 – Present

- Collaborating with senior developers to engineer new features and **RESTful web services**, using **J2EE, Spring Boot, Hibernate, SQL, and React**, resulting in a 40% increase in API response time, higher user satisfaction, and a 30% reduction in server load
- Executing **manual and automated testing** using **JUnit and Selenium**, reducing bugs by 30% and enhancing overall code quality by 35%, with the added benefit of integrating observability tools like **ELK** to improve debugging and log management
- Streamlining software development by utilizing Jenkins, **Kubernetes**, and **JIRA**, slashing deployment time by 50%, boosting task completion efficiency by 20%
- Integrating **MongoDB** and **Amazon DynamoDB** for **NoSQL** to support **data analysis**, alongside using **Grafana** to monitor system performance and reliability

Web Application Developer, CMU, Mount Pleasant, MI

01/2022 – 08/2023

- Created user-friendly **interfaces** for **web applications** using **HTML, CSS, and JavaScript** libraries such as React.js and **jQuery**, leading to a 20% increase in user engagement, with thorough **data testing** procedures for cross-platform functionality
- Incorporated third-party **APIs** for 50% less **manual data entry**, 30% **higher data accuracy**, and **refined database queries** for a 40% performance boost and 15% faster server response times
- Specialized as an expert in applications, delivering **technical support** to clients and promptly **addressing issues**, which contributed to a 20% increase in client satisfaction scores and a 15% improvement in client retention rates

Software Engineer, HCL Technologies Ltd., Chennai, India

08/2019 – 01/2022

- Optimized **Agile** and **SDLC** across 6 **sprints**, enhanced **UI/UX** with **React/Angular**, designed Java/Spring **microservices** with RESTful APIs, and applied **TDD** practices, leading to a 35% performance boost and 40% fewer unresolved bugs
- Coordinated the delivery of 15 API releases per quarter in a **Linux** environment, enhancing Web API development speed by 20% through **SQL** utilization, **Azure SQL Database**, and integrating **Kafka** for efficient data streaming and processing
- Facilitated an 8-member **cross-functional** team, integrating JUnit and **Mockito** for **code quality** and **reliability** while ensuring compatibility and performance for **IFE (In-flight entertainment)** systems
- Led a sophisticated **CI/CD** pipeline using **Jenkins, Azure DevOps**, and **Docker** containerization, facilitating continuous learning in **cloud computing**. This effort resulted in a 75% reduction in deployment issues and improved app performance

ACADEMIC PROJECTS

Project: Car Price Prediction | [Link](#)

- The Car Price Prediction system secured an **R-squared value of 0.79** with a **Random Regression Forest Model**, establishing a new accuracy standard
- Utilized **Python, Pandas**, and Random Forest Regression for precise car price predictions through a user-friendly web interface

Project: Online Food Ordering System

- Developed the Online Food Ordering system with **JavaFX** and JUnit, enabling secure food orders and restaurant menu management
- Ensured scalability and maintainability with **design patterns**, driving **20-second order processing time** and **85% test coverage**