

# SHRAVYA DONGALA

## Software Developer

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### Professional Summary

Effective software developer with 3 years of experience contributing to all phases of software development life cycle. Demonstrated expertise in analyzing requirements and designing software to specifications while ensuring optimal functionality and performance. Skilled in using technologies such as Java / J2EE, JavaScript, jQuery, Servlet, REST, Spring, Hibernate, Entity Framework, Tomcat, Angular, AWS, Azure, MS SQL, MySQL, NoSQL/MongoDB, Bootstrap, and Microservices. Interested in developing Java application systems using advanced technologies and design patterns, having recently implemented similar academic projects during a master's degree program.

Object-Oriented Development • Java Programming • Web Services • Design Patterns  
User Interface Design • Backend Development • Database Design • Microservices • SDLC  
Data Structures • Concurrency / Multithreading • Troubleshooting • Memory Management

### Technical Skills

**Languages:** C C++ Java / J2EE, Core Java, Python, SQL

**Web:** JavaScript, jQuery, AJAX, JSON, JSP, Servlet, Struts, JSF, JMS, JSTL, JDBC XML, HTML5, CSS/CSS3, Bootstrap,

**Web Services:** RESTful

**Web and Application Servers:** Apache Tomcat, Junit, Mockito, TDD, docker Layered Microservices, Kafka

**Testing:** JUnit, Mockito, Maven, Spring Test Framework, Postman, Swagger

**Cloud platforms:** AWS- EC2/S3, Google Cloud, Microsoft Azure

**Frameworks:** Spring (MVC, Boot), Hibernate, Angular, Entity Framework

**Databases:** MS SQL/SQL Server, MySQL, NoSQL, Oracle

**Design Patterns:** Singleton, Factory, Decorator, Façade, Template, Mediator, MVC, Session, Session Factory, Prototype

**Tools:** MS Visual Studio, Eclipse, IntelliJ IDEA, Git, GitHub, Maven, MATLAB, Multisim, AS400, IFAI

**SDLC:** Agile / Scrum, PLM

**Platforms:** Windows, Linux, macOS

### EDUCATION

**University of Missouri- Kansas City, USA**

**2022 - 2023**

Master of Science in Computer Science

**Jawaharlal Nehru Technological University, Hyderabad, India**

**2017 - 2020**

Bachelor of Technology in Electronics & Com. Engineering

### CERTIFICATIONS

- Certification in Core Java.
- Certification in Python Programming
- Certification in JEE – Capgemini.
- Certification in Agile Software Development

### PROFESSIONAL EXPERIENCE

**Software Developer**

**July 2023- Current**

**McKesson, MO**

- Developed backend applications using Spring Boot, making it easier for the frontend and backend of applications to communicate seamlessly.
- Used Spring MVC to build flexible web applications that are easy to maintain and expand upon.
- Implemented Spring Security to keep applications safe from unauthorized access, ensuring that sensitive data is protected.
- Managed AWS S3 storage for web applications, ensuring that files are stored securely and can be accessed quickly
- Used Git for version control, making it easier for teams to collaborate and keep track of changes made to code.
- Tested APIs thoroughly with tools like Postman to make sure they work well in different situations and perform efficiently
- Spring Boot Microservices were developed with Microservices architecture using REST and Apache Kafka

- Developed a Java batch program for periodic retrieval of client data from the database, executed every six months, facilitating workforce analysis tasks such as program expenditure tracking and client benefit assessment
- Built strong backend services using Java to ensure applications run smoothly and scale effectively, providing users with a great experience.
- Managed MySQL databases, writing efficient SQL queries to handle data effectively and keep things running smoothly.
- Designed MongoDB solutions to handle large amounts of data efficiently, focusing on creating organized structures for optimal performance.
- Created user-friendly web interfaces with HTML, CSS, and JavaScript that work well across different browsers and are accessible to everyone.
- Used JavaScript frameworks like Angular.js to make web pages dynamic and engaging, improving how users interact with applications
- Proficient in AWS services like Amazon S3 and EC2, optimizing data handling and security in healthcare applications, resulting in improved data management efficiency and access control.
- Implemented advanced features of AngularJS to develop interactive and data-driven web applications, resulting in a 25% increase in user engagement and a 15% reduction in frontend development time.

### **Capgemini Technology Services India Limited**

#### **Sr. Software Engineer**

**July 2020- Dec 2021**

- Successfully coordinated different banking projects, oversaw batch scheduling, ensured alignment with client needs, and managed bill cycle monitoring..
- Designed and developed user-friendly web portal pages, resulting in a 20% increase in user registrations and a 30% reduction in security-related issues, thanks to robust password security measures.
- Proficiently managed data, resulting in a 30% improvement in data processing speed and a 25% increase in data accuracy, achieved by using Java, Spring Boot, and SQL.
- Integrated Spring Boot to optimize billing processes, reducing billing errors by 25% and improving client satisfaction as monthly bill cycles were enabled between regions.
- Support and development of legacy applications These applications are essential in allowing professional traders and sales teams to monitor market information in real-time with a refresh rate of 0.5 seconds, analyze, trade, and book financial products, such as single stocks options, index options and more
- Created web services using Spring Boot, and their rigorous testing with JUnit resulted in a 30% decrease in post-release defects and a 25% increase in web service stability.
- Efficiently managed customer accounts, reducing discrepancies by 20% and ensuring accurate financial tracking for both business and client customer accounts.
- Maintained data integrity in AS400, resulting in a 25% reduction in payment-related errors and precise financial transactions during letter generation.
- Collaborated across eight regions, enhancing client satisfaction by 30% through swift responses to evolving client requirements and effective cross-regional teamwork.

### **Capgemini Technology Services India Limited (JEE INTERN)**

**Jan 2020 – May 2020**

- Utilized HTML and CSS for web design, resulting in a visually appealing user interface that improved user experiences and engagement by 20%.
- Led the development of a full-stack movie application, seamlessly working with both backend Spring and frontend Angular
- Implemented separate tables for different modules and integrated them with Oracle JDBC for efficient data management.
- Successfully delivered an online ticket management system, streamlining movie-related operations and improving user convenience by 25%.
- Pioneered the adoption of a microservices architecture, ensuring system scalability and maintainability.
- Leveraged Swagger and Postman for rigorous testing, further enhancing the application's reliability and performance.
- Designed and created a customer portal using Angular, providing enhanced customer views and operational capabilities.

## **ACADEMIC PROJECTS**

### **Cloud Based Blood Bank Management System**

- Created an AWS Elastic Beanstalk web application in Python with database integration.
- Created the application into a package and configured database settings and dependencies, to set up an easy database connection, I created an Elastic Beanstalk environment.
- A web-based application that enabled effective data storage and retrieval was successfully deployed and launched.

### **Uber Big Data Analytics**

- Utilize .NET technologies such as C# and .NET Core for data ingestion and preprocessing and develop efficient data pipelines to handle large volumes of unstructured data from Uber rides.
- Implement the price prediction model using .NET libraries such as ML.NET
- Develop the application using ASP.NET Core for visualizing the analysis results and providing insights to users. application can display price predictions, analysis reports, and interactive visualizations.