

Samarth Ghadi

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Summary

- Computer Science Engineering graduate with a Bachelor's degree and post-graduate certificate in Web Design and Development.
- Expertise in programming languages such as Java, JavaScript/TypeScript implementing Object-Oriented Programming methodologies including developing, debugging, testing code and designing interfaces.
- Hands-on experience in Java 11 features like Streams, Lambdas, functional interfaces & filters.
- Hands-on experience in building web applications using spring framework features like Spring MVC, Spring Context, Spring Data, Spring AOP, and Spring Security.
- Experience with database query manipulation with SQL stored procedures, triggers, and views and working with complex SQL queries and NoSQL Databases like MongoDB to manage large data sets.
- Expertise in front-end development using HTML5, CSS3 and Javascript including media queries and hands-on experience using frameworks like React JS and Angular for creating interactive UI's.
- Developing Prototypes, wireframes using Photoshop, Figma, Adobe XD & translating the designs into code.
- Experience working in Agile and Scrum environment, enabling efficient collaboration & adaptability.
- Strong communication skills, both written and oral, in a collaborative environment.
- Highly self-motivated, with a solid drive to continuously learn, adapt, and master new technologies, thriving both in team-oriented and self-directed settings.

Skills

Programming Languages: JAVA, 8, 11, JavaScript/TypeScript, Python

Web Technologies: HTML5, CSS3, Bootstrap, Angular, React, Node, Express, JavaScript, jQuery, XML, Log4j

J2EE Technologies: Spring, Spring Boot, Hibernate, Spring JPA

Databases: SQL, PL/SQL, MYSQL, MongoDB

Build Deploy Tools/ Version Control: Git/GitHub, Maven, Gradle, Docker

Design Tools: Adobe Photoshop, Figma, Adobe XD

IDE: Eclipse, IntelliJ IDEA, Visual Studio Code

Others: Linux/Bash, Shell scripting, Google Cloud Platform (GCP), RDBMS, Web Designing, Postman, Swagger, Slack, Trello, Agile/Scrum, MS Office, Excel, Word, Restful Web services

Familiar: AWS, Junit, Jest, Cypress, MVC, REST API, Material UI, Wordpress

Professional Experiences

Junior Software Developer, Jarvis Consulting Group, Toronto, Canada (2023)

- Involved in creating Full-Stack Java applications using Core Java concepts, PL/SQL and tools like Maven, Docker containers. My role included deploying applications and ensuring their successful implementation.
- Collaborated closely with clients to understand their database requirements and provided customized solutions.
- Employed Agile and Scrum for incremental/iterative software design, development, testing and deployment, following appropriate software development life cycle (SDLC) practices, taking part in sprint planning, daily stand-ups, and sprint reviews.
- Used GitHub and GitFlow throughout the development, testing and deployment.

Web Developer Intern, Cubiccode Digital Media, India (2019-2020)

- Worked across the Web application development lifecycle mainly using JavaScript. Design and create optimized landing pages in HTML and CSS to support client needs.
- Developed wireframes, mockups and UI designs using tools like Photoshop and Figma. Improved coding of CSS and JavaScript to enhance functionality and user experience. Specialized in designing the landing pages.
- Collaborated closely with back-end developers, ensured seamless front-end and back-end code integration while maintaining design integrity.
- Took sole ownership in developing e-commerce web applications using WordPress using woo-commerce.

Education

Post Graduation, Web Design and Development (2021-2022) - GPA: 3.74/4

Conestoga College – Kitchener, ON, Canada

Bachelor of Engineering, Computer Science & Engineering (2015-2019) - CGPA: 7.21/10

KLS Gogte Institute of Technology – Karnataka, India

Jarvis Projects

Project source code: https://github.com/Jarvis-Consulting-Group/jarvis_data_eng-samarthghadi/tree/develop

Cluster Monitor: A user-friendly solution to efficiently manage a 10-server cluster. The solution allows server users to easily monitor hardware & usage information, ensuring smooth operation and maintenance. Implemented with bash scripts, it seamlessly integrates into existing workflows. PostgreSQL is chosen as the database technology for reliable data storage. The project is implemented within a Docker container for consistent execution & compatibility. Using Git version control, development progress is tracked. This monitoring solution empowers users to optimize resource allocation, enhancing stability and efficiency of the server cluster for seamless operations.

Core Java Apps:

- **JDBC App:** Developed a 'Customer Order Processing System' utilizing JDBC, DAO(Data Access Object), and DTO(Data Transfer Object) design patterns. The system interacts with PostgreSQL via JDBC, supporting CRUD operations and benefiting from JDBC's cross-platform compatibility. PSQL Client Tool and DBeaver were employed for database management, while Maven streamlined dependencies. The system's architecture includes a PostgreSQL container facilitated by Docker. IntelliJ served as the IDE for development. This setup ensures seamless access to relational databases. The system excels in processing customer orders, offering read, write, update, and delete functions for RDBMS data manipulation.
- **Grep App:** Developed a Grep app using tools like ArrayList, FileReader, FileWriter, BufferedReader, BufferedWriter, and Regex Pattern. To find a user-specified text pattern, it scans a chosen main folder, including files and subfolders. Using Maven and Docker, deployment is straightforward. The Traditional Approach uses conventional file I/O and looping for moderate-sized files. Comprehensive unit testing with JUnit ensures application correctness. The app extracts matching lines from files, compiling them into a text file for later use.

Highlighted Projects

Project source code: <https://github.com/samarthghadi>

Java Todo App: Developed a Java Full Stack Todo app. Built on the robust foundations of Core Java, Spring Framework, Spring Boot, and Spring JPA, it combines efficiency. Maven streamlines project management, while Talend API Tester ensures robust functionality. Swagger documentation simplifies API exploration. The app utilizes H2 and MySQL databases for data management, ensuring scalability. With Restful API for seamless communication and a React front end for a dynamic user interface, task management is easier. Embrace productivity with a well-rounded, feature-rich Todo application which performs CRUD operations.

Weather App: Developed a Weather app utilizing an application programming interface (API) that provides weather data. The app allows users to search for the current weather by simply entering city names. It accesses weather data through an external weather API. The app fetches information such as sunset time, humidity, pressure, and wind speed. The UI is styled using HTML, CSS, and React.js, with the data fetched from the JSON file dynamically displayed using the useState hook. This app provides a user-friendly interface to access and visualize weather forecasts, enhancing the user experience with real-time weather information.

Miscellaneous

- **Certifications** – Udemy Web Development, Udemy Java Programming, Udemy Spring Boot 3 & Spring Framework 6 with Java.
- Love Roller Skating, Reading Books, Playing Games, Cricket, Fitness Enthusiast.
- Exploring motivational books to foster personal growth, currently enjoying 'Excuses'