

Vishal Madhav

Software Developer

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Objective

I'm seeking a position as a Software Developer with 3 to 4 years of experience, where I can utilize my expertise to develop innovative software solutions. With a strong foundation in various programming languages and frameworks, I am adept at collaborating with cross-functional teams to analyze requirements and deliver scalable software products. I am eager to continue learning and adopting new technologies to contribute effectively to the organization's success.

Summary

- Expert in various **HTML5**, **CSS3**, **JavaScript**, **TypeScript**, and various web frameworks like **Angular** and **React**.
- Proficient in **Java/J2EE** technologies such as **Servlets**, **JDBC**, and **multi-threading**, as well as **Spring Boot** and **Spring MVC**.
- Skilled in **Java** and **Python** programming languages, which are extensively used for algorithms and web development.
- Skilled in using various **IDEs** like **Eclipse**, **IntelliJ**, **PyCharm**, **WebStorm** for convenient coding purposes.
- Knowledgeable in **Oracle/BEA** and **Tomcat** servers.
- Certified as an **AWS** Cloud Practitioner who knows technologies like with **EC2**, **S3**, **RDS**, and more
- Well-versed in **SDLC**, **Waterfall**, and **Agile** methodologies and utilize **UML** and **Rational Rose** for modeling and planning.
- Proficient in using various databases **Oracle**, **SQL Server**, and **MySQL**.
- Adaptable in using **Git** and **Bitbucket** for version control and can deploy **Maven** and **Gradle** for builds.
- Familiar with **Windows** and **Linux** platforms.
- Knowledgeable in project management tools like the Atlassian product **Jira** for daily stand-up scrum calls.
- Excellent interpersonal, analytical, problem-solving abilities and communication skills.

Technical Skills

Web technologies	HTML5, CSS3, JavaScript(+ES6), TypeScript, Ajax, jQuery, Angular, React, Node.js, JSON, Bootstrap, Tailwind
Java/J2EE Technologies	Servlets, JDBC, JFC/Swing, AWT, Applets, Multi-threading, Java Networking, Spring Boot, Spring MVC
Database	Oracle 8i/9i/10g/11g, SQL Server 2008, MySQL
IDEs	Eclipse, IntelliJ, PyCharm, WebStorm
Programming Languages	Java, Python
Application/Web Servers	Oracle/BEA, Tomcat
AWS Skills	EC2, S3, RDS, EBS, AMI, ELB, CLI, SNS, RDS, VPN, NAT, GIT, DNS, Route53, DBA, DynamoDB.
Methodologies	SDLC, Waterfall model, Agile Model
Modeling Tools	UML, Rational Rose
Version Control	Git
Build Tools	Maven, Gradle
Platforms	Windows, LINUX
Testing	Jira

Work Experience

Software Developer, Endeavour Technologies Inc., Chantilly, Virginia

Sep '23 – Current

- Utilized **HTML**, **CSS**, **React**, and **JavaScript** to create an intuitive front-end user interface allowing customers to seamlessly check their account balances at a local community bank.
- Designed scalable financial applications using the **Spring Framework**
- Developed applications with **Spring MVC**, **ORM**, **Spring Boot**, and **Spring Security** for access and authorization
- Implemented controllers for handling financial data and user interaction in web applications

- Utilized **JDBC** with **Spring** for seamless interaction with **Oracle** database
- Developed efficient **Data Access Objects (DAO)** using **Spring JDBC** templates
- Implemented **Inversion of Control (IoC)** and **Dependency Injection (DI)** for modular components
- Designed and implemented **Value Objects (VO)** for enhanced data transfer between application layers
- Engineered **Service** classes for encapsulating business logic in financial app development
- Proficient in **Oracle database** management, authoring **SQL** queries for data updates and table creation
- Used **AWS Cloud** platform and features like **AMI, SNS, RDS, EBS, CloudWatch, Cloud Trail, CloudFormation, Autoscaling, CloudFront, S3, and Route53**
- Configured **AWS IAM roles** and **Security Group for Public and Private Subnets in VPC**
- Conducted migration of Existing Application to AWS cloud platform, utilizing **EC2 servers, S3 storage, RDS instances, cloud watch, and CloudFront**
- Utilized **JIRA** for efficient project management, ensuring timely completion of tasks and effective collaboration
- Demonstrated expertise in version control using **Git** for code integrity and collaboration
- Created **Entity** classes for maintaining data consistency and implementing business rules for financial entities
- Actively employed **Test-driven Development (TDD)** principles for robust and reliable code
- Incorporated **Continuous Integration (CI)** and **Continuous Delivery (CD)** practices for frequent and reliable releases
- Engaged in end-to-end **Software Development Life Cycle (SDLC)** engagement, including requirements gathering, analysis, design, development, testing, and production
- Interpreted written business requirements and technical specifications, collaborating with engineers, architects, and management to define optimal solutions
- Prioritized reliability and performance, adhering to security standards and practices with a focus on data protection
- Engineered reusable **Selection Criteria** code to optimize database interactions and improve efficiency

Jr. Software Developer, Cloud Data, Knoxville, Tennessee

Aug '21 – Aug '23

- Designed user-friendly interfaces for healthcare applications using **HTML, CSS, and JavaScript**, focusing on accessibility and simplicity for medical professionals and patients.
- Assisted in developing **RESTful web services with Spring Boot** to facilitate seamless communication between healthcare systems, aiding in the exchange of critical patient data.
- Contributed to the development of modular applications with **Spring MVC**, ensuring adaptability to the changing needs of healthcare providers in managing medical records and treatment protocols.
- Utilized **JDBC** and **Hibernate** for efficient data access and management within healthcare systems, supporting real-time access to patient information and medical records.
- Actively participated in **Agile** ceremonies, collaborating with cross-functional teams to align with project goals and milestones in healthcare software development.
- Assisted in **debugging** and resolving software defects, supporting the reliability and performance of healthcare applications, and minimizing disruptions to patient care.
- Integrated third-party **APIs** to enhance application functionality, promoting interoperability with external healthcare systems and services.
- Conducted thorough unit testing using **JUnit** to maintain code quality and reliability, identifying, and addressing potential issues early in the development process.
- Engaged in version control using **Git** and participated in code reviews to adhere to coding standards and best practices, fostering collaboration and growth within the development team.
- Demonstrated a proactive approach to learning new Java technologies and best practices, contributing to continuous improvement and innovation in healthcare software development as a Junior Software Developer.

Java Intern, Hybrid Compute, Aldie, Virginia

Jun '20 – Jul '21

- Assisted in implementing **Servlets, JDBC, and multi-threading** concepts, gaining hands-on experience in **Java** development at Hybrid Compute, which had a tie-up with Merrill, an investment management company.
- Collaborated closely on the development of **Spring Boot** and **Spring MVC** applications, contributing to the implementation of key features such as **dependency injection** and **aspect-oriented programming** for financial solutions tailored to Merrill's needs.

- Worked extensively with **SQL** queries, gaining valuable insights into the intricacies of **Oracle**, **SQL Server**, and **MySQL** database systems, crucial for managing financial data in collaboration with Merrill.
 - Engaged in front-end development projects, actively contributing to the creation of user interfaces using **HTML5**, **CSS3**, and **JavaScript**, aimed at enhancing user experience in investment management applications developed for Merrill.
 - Participated enthusiastically in **Agile** development cycles at Hybrid Compute, utilizing **Jira** for efficient task management and **Git** for version control, thereby fostering seamless collaboration and teamwork among developers and stakeholders involved in projects with Merrill.
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Certification

Cloud Practitioner, Amazon Web Services

Education

Bachelor of Science in Computer Science, **Pennsylvania State University - Harrisburg, Middletown, PA**

Projects

CodeFlower, Full-Stack Web Application ([Link](#))

A website that helps teach middle school and high school students the fundamental basics of Python programming, which can help be a learning tool for people who want to pursue Computer Science in the future. Uses Django Python to construct the site and run functionalities (logging, registering a site, configuring settings) that are needed for the application, HTML to create and display the web application, CSS to style the web application, and MySQL to store and retrieve the data objects and its values.

React Weather App, Front-End Web Application ([Link](#))

A simple weather app that gets hourly and daily forecasts, the current temperature in either Fahrenheit or Celsius , and the local time and date of a particular city or town. In addition, the app also has a location icon to get the weather of the current location that the user is currently residing in. Uses React to create the web application, Tailwind CSS to style the web application, OpenWeatherMap API to call and retrieve the weather forecast of a particular location and React Tostify to notify the user that the data of a particular place's weather is either being retrieved, has been successfully retrieved, or resulted in an error while retrieving the data.

Status

U.S Citizen