

Divyasree Bingi

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PROFESSIONAL SUMMARY

Results-oriented, innovative **Software Engineer** with over **5+ years of extensive experience** in full-stack web and mobile application development, focusing on **Java**, **Spring Boot**, and **React Native**. Having solid experience in designing and optimizing high-performance, scalable applications across various industries, I ensure efficiency in integrating backend services, developing RESTful APIs, and leveraging cloud technologies such as **AWS** for operational efficiency and scalability. Proactive track record of delivery in both **Agile** and **Waterfall** environments; ensure high-quality solutions through active collaboration with cross-functional teams and enforcement of best coding practices.

Known for process optimizations, minimizing downtime, and improvement in system architecture by putting effective usage of **microservices**, **cloud platforms**, and **containerization** in place. Proven technical capabilities to analyze and solve complex technical problems and develop a solution that aligns with the organizational goals. Demonstrated strong **leadership in project execution**, **keen eye for detail**, and ability to **adapt into new technologies quickly**.

EDUCATION

The University of Texas at Arlington

Arlington, TX, USA

Master of Science in Computer Science and Engineering

May 2024

- **Coursework:** Big Data Management, Intelligent Systems, DataStructures and Algorithms

Jawaharlal Nehru Technological University Hyderabad

Hyderabad, TN, India

Bachelor of Technology in Computer Science and Engineering

May 2019

- **Coursework:** Internet Of Things, Cloud Computing, Programming languages
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CERTIFICATIONS

AWS Certified Cloud Practitioner, Amazon Web Services (AWS), Feb 2025 - Feb 2028

Agile Software Development, Coursera, Jun 2021

Problem Solving, HackerRank, Sep 2020

Microsoft Technology Associate: Database Administration Fundamentals (MTA), Certiport, Jun 2018

Microsoft Technology Associate: HTML5 Application Development Fundamentals, Certiport, Mar 2018

TECHNICAL SKILLS

Languages: JAVA, C++, Python, JavaScript, SQL

Databases: MySQL, SQL Server, PostgreSQL

AI/ML & APIs: OpenAI API, GPT-4, Prompt Engineering, Natural Language Processing, API Integration

Web Technologies: HTML, CSS, Angular, ExtJS, JSP, XML, AJAX, JSON, Rest API

Backend Development: Java, PHP, Core Spring, Spring MVC, Spring REST, Go lang, postman, Laravel

Build Tools and Cloud: gmake and ant, Jenkins, Docker and Kubernetes, AWS Lambda, helm charts, JIRA, Perforce, Postman, Agile, Perforce

Frameworks: React JS, Spring Boot, Angular JS, NodeJS, jQuery, Jasmine, Selenium, JMeter, Junit, TestNG, Protractor

Other: Database Optimization, Problem Solving and Troubleshooting

WORK EXPERIENCE

BNY MELLON

Remote, USA

Senior Software Engineer

Mar 2025 - Present

- Designed, developed, tested, and deployed scalable web applications using Java technologies.
- Implemented both front-end and back-end solutions, ensuring smooth integration between user interfaces and databases.
- Built and maintained RESTful APIs and web services.
- Collaborated with the UI/UX team to create intuitive, responsive, and user-friendly interfaces.
- Developed interactive features using JavaScript, HTML, CSS, and modern JavaScript frameworks like Angular.

BRIGHT MIND ENRICHMENT AND SCHOOLING

Remote, USA

Web & App Developer Volunteer

Aug 2024 - July 2025

- Contributed to the development of a streetcare app using Android Studio, leveraging Firebase for backend services, Figma for UI/UX design, and Git for version control.
- Implemented new features and functionalities in Java for the app's backend, ensuring seamless integration with the frontend developed in Android Studio.
- Collaborated closely with the app team to enhance user experience by designing and integrating pop-up pages and updating existing fields based on user feedback.
- Conducted testing and debugging to ensure the app's robustness and performance, adhering to best practices in application development.

- Collaborated with various teams to build features to design and develop new features for the application
- Analyzed user requirements, developing and aligning web design with organization's business goals
- Implemented well-designed, testable, efficient code by using best application development practices
- Integrated data from various back-end services and databases

OPENTEXT India Pvt Ltd

Hyderabad, Telangana, India

Software Engineer

July 2022 - Dec 2022

- Collaborated with teams to design, develop, and optimize MySQL stored procedures, resulting in a 40% improvement in query performance.
- Demonstrated proficiency in Python coding for backend development, contributing to integrating media analysis tools into the project.
- Successfully deployed and managed AWS Lambda functions to optimize data processing workflows, achieving reduced processing time by 56% resulting in improved functionality, scalability, and performance for OTMM(a media management tool).
- Actively participated in troubleshooting and resolving database-related issues, with an average issue resolution time of 3 hours.

Associate Software Engineer

July 2020 - July 2022

- Strengthened correctness for grammar/spelling checks, leading to a 95% improvement in efficiency of CI build.
- Triaged and fixed security bugs using Fortify and Burp tools, with a focus on optimizing stored procedures for better performance.
- Developed cloud runtimes using AWS Lambda, achieving successful google lighthouse integration and reduced resource utilization by 36% for WCAG accessibility guidelines.
- Fixed 35% of security bugs reported by Fortify for multiple categories using the Burp tool with the least regression points
- Utilized database optimization techniques to enhance system performance, resulting in improved database metrics.
- Utilized AWS Lambda functions to streamline and automate specific tasks within the cloud multiple runtimes epic in 21.4 CE Teamsite.
- Adapted knowledge on Kubernetes and pod deployments, docker, pulling images from artifactory, Golang, and cloud build
- Actively participated in identifying and resolving database-related issues, with a consistent focus on prompt troubleshooting.
- Extended the existing load scripts to fit the latest load test scenarios using Jmeter

Engineering Intern

Jun 2019 - Jun 2020

- Querying against all Categories/content templates of livesite content server API to get all dcrs within TeamSite(Enterprise web content management system developed by Interwoven) project.
- Automating test scripts for new features using protractor framework for Angular JS Applications
- Applied troubleshooting skills to debug and resolve issues in computer equipment, contributing to improved system stability.
- Recorded defects in use of TeamSite and assisted developers to perform further testing and finding resolutions

PROJECTS

Smart Resume & Cover Letter Generator using Python and OpenAI API | [Link](#)

- Developed AI-powered web application using Streamlit and OpenAI GPT-4 API to generate tailored cover letters and enhanced resume bullet points, implemented secure PDF/DOCX file processing with PyPDF2 and python-docx libraries, integrated real-time document preview and download functionality with responsive user interface design.

URM Application using React and PHP | [Link](#)

- Developed URM management system using React and PHP, added features like chat functionality, RESTful APIs, react components, and real time data updates using Web Socket

Dynamic Hand Gesture Recognition using Python | [Link](#)

- Programmed a solution which uses American Sign Language (ASL) recognition into the gaming field, leveraging cutting-edge technologies such as MediaPipe, cvzone, and HandDetector, handTrackingModule.

KEY ACHIEVEMENTS

- Driven the development of a mobile-first media management tool using React Native and AWS Lambda, increasing data processing speed by 56%.
- Utilized leading an integration of Google Lighthouse for accessibility audits and increased web content accessibility and SEO performance by 100%.
- Streamlined security processes by resolving 35% of reported security vulnerabilities, reducing regression points, and improved codebase security through the utilization of Fortify and Burp Suite.
- Played a key role in re-architecture of load test scripts with JMeter, saw an 89% improvement in large-scale application testing accuracy. Improved grammatical and spell-checking processes that increased the efficiency of code review and continuous integration pipeline productivity by 95%