HARSHITHA KATAKAM

New York, USA | 682-373-3508 | **harshithaxkatakam@gmail.com** | **Portfolio** | **GitHub** | **LinkedIn**

SUMMARY

Dynamic Full Stack Engineer with 6+ years of expertise in modern JavaScript frameworks and scalable backend technologies, including React, Spring Boot, and AWS. Proven in optimizing performance, leading cross-functional teams, and delivering secure, robust solutions through Agile methodologies and CI/CD pipelines. Eager to contribute to innovative projects that align with the company's mission and values.

SKILLS

Methodology: SDLC, Agile, Waterfall
Languages: Core Java, Java, SQL, GraphQL, Python, Terraform
Frameworks: Spring Boot, Microservices, Hibernate, JSF, Node.js, React.js, Next.js, Angular, Express.js
IDEs: NetBeans, IntelliJ IDEA, Visual Studio Code, Eclipse
Web Technologies: HTML, CSS, JavaScript, TypeScript, Bootstrap, jQuery, Ajax, JSON, XML, REST, SOAP
Cloud: AWS, Cloud principles (General Cloud Knowledge), CI/CD, Vercel, SAP Analytics Cloud
Databases: MySQL, PostgreSQL, Oracle, MongoDB
Other Tools: UML, Maven, Gradle, Docker, Kafka, Jira, Confluence, Jenkins, Junit, JMeter, SVN, Karma, Jasmine, SoapUI
Version Control Tools: Git, GitHub, GitLab

PROFESSIONAL EXPERIENCE (6+ YEARS)

FULL STACK ENGINEER | IPIVOT | NJ, USA   SEP 2024 - DEC 2024

- Architected and developed a **server-rendered** web app with **Next.js**, optimizing page load times and enhancing SEO by 40%.
- Enhanced code reliability and maintainability by implementing **TypeScript**, reducing bugs by 30% and streamlining development process.
- Achieved 95% test coverage with React Testing Library and **Jest**, ensuring robust and reliable UI components.
- Engineered **AI-driven image recognition** algorithms with **Python** and **TensorFlow**, increasing image processing accuracy by 35%.
- Developed scalable and efficient **GraphQL** API to streamline data querying and mutation, improving API performance by 25%.
- Streamlined CI/CD pipelines with Next.js, enabling rapid deployment, cutting release cycles by 50% for continuous delivery.

GRADUATE TEACHING ASSISTANT | THE UNIVERSITY OF TEXAS AT DALLAS | TX, USA   AUG 2023 - DEC 2023

- Guided and provided technical mentorship to over 200 students across in **System Analysis & Project Management**, **Python**, and **SAP Cloud Analytics**, deepening their understanding of intricate software development concepts and project management methodologies.
- Enabled hands-on learning by directing students through **competitive full-stack development projects**.
- Designed a performance-tracking dashboard by applying data visualization tools and **Python** libraries (e.g., **Pandas**, **Matplotlib**).
- Exhibited **leadership** in overseeing course-related activities, ensuring the seamless integration of technical concepts into the curriculum.

WEB DEVELOPER - AIMDB SOC | THE UNIVERSITY OF TEXAS AT DALLAS | TX, USA   AUG 2022 - MAY 2024

- Revamped and upgraded the AIMDB website with **interactive web features** using **React.js**, resulting in a 35% increase in site traffic.
- Streamlined workflows in **CI/CD pipelines** utilizing AWS CodePipeline, Code-Build, and Code Deploy.
- Managed the planning and execution of initiatives to advance AI and database technologies.

FULL STACK ENGINEER | IPIVOT | TS, INDIA   AUG 2021 - AUG 2022

- Directed a team of 5 in creating a resilient cancer cell diagnosis platform utilizing **ReactJS**, **MUI**, **Redux**, **AWS**, **Azure AD**, **Node.js** and **SQL**, achieved a 70% performance improvement by incorporating key features like Gamma Correction, report builder, OSD Viewer.
- Boosted website efficiency by 30% through **responsive design** and enhanced page load times, significantly elevating user satisfaction.
- Contributed to server-side development with **Node.js** and **Express**, building scalable and efficient backend services.
- Lowered infrastructure expenses by utilizing **AWS** services such as **S3**, **Lambda**, and **Deployment** for optimized resource management.
- Adopted **agile methodologies**, leading to a 40% rise in project delivery speed and 25% quicker time-to-market for new features.
- Sustained stakeholder satisfaction at 95% through clear communication via status updates and exemplary project outcomes.

SOFTWARE DEVELOPMENT ENGINEER | TEMENOS | TS, INDIA   MAY 2019 - AUG 2021

- Championed the development and deployment of cross-platform mobile apps using **Kony Visualizer** and **Kony Fabric**.
- Addressed 150+ bugs in a web application, within a specified timeframe, utilizing top-tier debugging and **troubleshooting** techniques.
- Enhanced RESTful APIs with **JWT authentication**, **Spring Boot** and **Hibernate**, facilitating efficient data communication and security.
- Administered and optimized **MySQL** databases, achieving a 21% boost in query performance.
- Architected **microservices**, resulting in a 25% cut in infrastructure expenses through resource-efficient practices.
- Employed **Git** and **Jenkins** for effective version control, used **JIRA** and **Confluence** for workflow management and project documentation.
- Earned a **Spot Award** for demonstrating remarking quick learning capabilities and exceptional performance under pressure.

EDUCATION

MBA - Product & Project Management - Deans Excellence Scholar | The University of Texas at Dallas — GPA: **3.72**

M.S. Information Technology and Management - Deans Excellence Scholar | The University of Texas at Dallas — GPA: **3.89**

B.Tech. Computer Science Engineering - Gold Medalist - Jawaharlal Nehru Technological University — GPA: **3.95**

CERTIFICATIONS

- Google - Foundations of Project Management
- Google - Project Initiation: Starting a Successful Project
- Generative AI at SAP
- AWS - Solutions Architect Associate
- Alteryx – Foundational Micro-Credential
- Kony - Front-End Developer Expert
- Kony - Certified Developer
- Oracle - Program with PL/SQL
- Oracle - SQL Fundamentals