Harsh Kumar Lal Das

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SUMMARY

Accomplished MERN Stack Developer with over 6 years of experience building complex user interfaces and applications for major corporations, including Quarterhill, CDX Diagnostics, and Temenos. Proficient in developing high-performance front-end and secure back-end systems. Expert in a wide range of technologies, including HTML5, CSS3, JavaScript, TypeScript, Angular, Vue, React, Redux, Node.js, Express, MongoDB, and various design tools. Strong technical skills in Agile methodologies, responsive design, RESTful services, Git, and modern web frameworks. Proven ability to lead development teams, ensuring robust and scalable applications from design to deployment.

EDUCATION

Master of Science, **Information Technology and Management** | The University of Texas at Dallas | **GPA: 3.805** | May 2024
Bachelor of Tech in **Computer Science Engineering** | Jawaharlal Nehru Technological University | **GPA: 3.83** | August 2020

SKILLS

Programming: JavaScript, Java (OOP), Python, C++, Typescript, Ruby on Rails
Cloud: AWS, SAP Analytics Cloud, Microsoft Azure
Front End: HTML, CSS, React.js, Node.js, Vue.js, Angular.js, Django, jQuery, Redux, Saga, ANT, Jest, Figma
Back End: Springboot, Express, RESTful API, Next, Go lang, gRPC, .Net | **Database**: MongoDB, MySQL, PL/SQL, GraphQL, GCSpanner | **Libraries**: Selenium, Puppeteer, Openseadragon, Babel, Istanbul, Gulp, Kubernetes, Kafka| **Others**: Git, Docker, Jenkins, Agile, Tableau, Grafana, Kony, T24, Google Analytics, GCP, MS Excel, SEMrush, CICD, Linux | **Professional Traits**: Leadership, Adaptable, Innovation, Problem Solving, Self-Starter, Teamwork, R&D, TDD

PROFESSIONAL EXPERIENCE - 6 years

MERN STACK CONSULTANT | QuarterHill | Texas**,** USA   **Jan 2024 - May 2024**

- Collaborated with product managers, designers, and other stakeholders to understand requirements and translate them into elegant technical solutions using **MongoDB**, **Express.js**, **React**, and **Node.js**.
- Stayed abreast of emerging technologies and trends in the MERN stack ecosystem, evaluating their applicability to project goals and implementations.
- Managed the integration of **third-party APIs** into applications, enhancing functionality and user experience.
- Directed the integration of cloud solution developers from 2 firms employing **Agile methodologies**, to optimize **operations**, fostering cross functional team **collaboration**, and establish a **centralized repository**, resulting in a 30% productivity increase.

MERN STACK TECH LEAD - AIMDB SOC | The University of Texas at Dallas | Texas, USA   **Aug 2023 - Jan 2024**

- Led AIMDB SOC team, overseeing the planning and execution of initiatives to promote **AI** and **database technologies**.
- Assisted in recruiting, onboarding, and training new development team members in MERN stack technologies.
- Led seminars and workshops on the latest advancements in **MERN Stack development**, catering to students and professionals with diverse backgrounds and international origins.
- Conducted code reviews and enforced coding standards to ensure code quality and maintainability
- Implemented unit testing and end-to-end testing frameworks to ensure application reliability and performance.

MERN STACK DEVELOPER - AIMDB SOC | The University of Texas at Dallas | Texas, USA   **Jan 2023 - Aug 2023**

- Led a team of developers to redesign and enhance the AIMDB website, improving user engagement by 25%.
- Engineered interactive web features to showcase AI and database projects using **Typescript, Express, React**, and **MongoDB**, increasing site traffic by 35%.
- Developed and maintained RESTful APIs with Node.js and JSON Web Token (**JWT**) authentication.
- Automated workflows in CI/CD pipelines using AWS Code-Pipeline, Code-Build, and Code-Deploy.
- Provided technical leadership and mentorship to the web development team, ensuring adherence to best practices in software development.
- Implemented performance optimization techniques to ensure maximum speed and scalability of the web applications.
- Collaborated with cross-functional teams to translate business requirements into technical solutions.

SENIOR FULL STACK DEVELOPER | CDx Diagnostics | Suffern, NY   **Mar 2022 - Jan 2023**
- Led a team of 5 to develop a robust cancer cell **diagnosis platform** utilizing **ReactJS, MUI, Redux, AWS, Azure AD, Node.js, SQL**, achieved a 70% performance boost by implementing critical features such as Gamma Correction, report builder, OpenSeadragon Viewer.
- Designed **MEAN stack** application for renowned pathologist Dr. Odze, revolutionizing cancer research by facilitating **web-based** diagnosis.
- Implemented real-time **deep-zoom** diagnosis using **Openseadragon** library and **AWS S3** within 3 months.
- Built and maintained an Applicant Tracking System application using the **MERN stack** (MongoDB, Express.js, React, Node.js), increasing application performance by 40%.
- Implemented snapshot testing for UI components and Express.js middleware for CORS management.
- Architected of over **50+ features**, including a **state-of-the-art** diagnosis report builder and sub-second retrieval of 1000+ patient slides using ReactJS and **NodeJS**, that boosted the diagnosis efficiency by 130%.
- Maintained **stakeholder satisfaction** at 95% with clear communication via status updates and commendable project deliverables.

SOFTWARE DEVELOPMENT ENGINEER | Temenos | Hyderabad, India   **Oct 2020 - Mar 2022**
- Revamped Kony Visualizer build system from **ANT** to **Node.js**, resulting in an 80% reduction in build time and size, earning praise from the CEO.
- Implemented event-driven architectures with **Kafka** and Dockerized Node.js applications for consistent deployments.
- Created visual documentation, design specifications, and interactive prototypes using **Figma**.
- Developed **migration** strategies from AngularJS to newer **Angular** versions.
- Utilized Postman for comprehensive API testing and collaborated with backend developers on RESTful APIs.
- Led team of 4 to develop an **Automated Testing Suite** for Desktop Web**, Responsive Web UI, API,** and **SPA** Widgets, utilizing **Jasmine** and **Istanbul** libraries.
- Utilized **Spring Boot** and **Hibernate frameworks** in integrating **RESTful APIs** into **15+** banking applications.
- Developed a comprehensive dashboard using **React, MongoDB, and Express.js** to **track code coverage** and analyze test suites across all teams, enhancing code quality and performance monitoring.

ASSOCIATE SOFTWARE DEVELOPMENT ENGINEER | Temenos | Hyderabad, India   **May 2018 - Oct 2020**
- Created **27 reusable UI/UX** components applying **micro-frontend design** patterns for Kony Marketplace using **FIGMA** and **JavaScript**, improving usability and functionality by 50%.
- Successfully transitioned from .Net to React development environment within a two-month timeframe
- Demonstrated efficiency by promptly resolving over **100 support tickets** utilizing **JIRA**, with a proven track record of effectively addressing priority BCH issues.
- Oversaw **PostgreSQL** database management, optimizing queries and performance.
- Utilized **Docker** and **Kubernetes**, ensuring efficient deployment processes and achieving 99.9% system uptime.
- Produced UI screens for **mobile native** application using Kony Visualizer, leading to a 20% improvement in user experience.

CHIEF WEB DEVELOPER | CVR College of Engineering | Hyderabad, Telangana, India   **Apr 2017 - Apr 2018**
- Led the web development team to integrate a **360-degree view** feature into the college website, enhancing virtual campus tours and increasing online engagement by 50%.
- Contributed to all phases of the **development lifecycle** from initial conception to deployment and ongoing maintenance.
- Implemented **security** and **data protection** measures to safeguard sensitive information, reducing security incidents by 40%.

CERTIFICATIONS
AWS Certified Developer - Associate | Generative AI at SAP certification - Machine Learning | Front End Expert by KONY | Oracle Database PL/SQL Developer | Oracle Java SE 8 Programmer

AWARDS
iPivot Best Developer (2022) | Kony Best Team Award (Q2 2021, Q4 2020, Q2 2020) | Kony Gem Award (Q3 2020, Q1 2020) | 1st place Smart India Hackathon-2019 - among 347 teams in national level.