DILEEP MARUPUDI

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SUMMARY

Full Stack Developer with a strong background as a Test Engineer, experienced in troubleshooting 1,800+ server units using Linux and SSH. Skilled in building responsive web apps with **HTML, CSS, JavaScript, React**, and developing back-end logic using **Python, SQL, and REST APIs**. Proficient in **Google Cloud Platform** and passionate about delivering scalable, end-to-end solutions that blend system reliability with clean, user-friendly interfaces.

EDUCATION

Master of Engineering in Information Technology   Aug 2023 – Dec 2024
University of Cincinnati   **GPA:** 3.96/4
Coursework: Requirements Engineering, Database Theory, Software Testing and Quality Analysis, Advanced Algorithms

Bachelor of Technology in Information Technology   Aug 2019 – May 2023
Gokaraju Rangaraju College of Engineering and Technology (GRIET)   **GPA:** 3.36/4
Coursework: Data structures, Java, SQL, OOPS, Operating Systems, Computer Networks, Compiler Design

SKILLS

Languages: C, Python, JavaScript
Frameworks and Libraries: React.js, Node.js, OpenCV, Flask, Jest, Next.Js
Databases and cloud: MongoDB, GCP, Heroku
Middleware and tools: Express, Django, Redux, Git, Github
Server and hardware troubleshooting: Linux, Secure shell(SSH), Hardware debugging.

CERTIFICAIONS

Meta Full Stack Developer certificate - 2025 | Google UX design certificate | Oracle Certified Foundations Associate - Oracle Cloud Infrastructure

WORK EXPERIENCE

Test engineer, Jabil   Mar 2025 - Present
- Diagnose and resolve hardware/software issues on over 1800 units, ensuring 98%+ accuracy.
- Identifying root causes and implementing long-term fixes, reducing repeat issues by 50%.
- Using Linux and SSH to perform remote troubleshooting, cutting resolution time by 60%.
- Collaborate with engineering teams to resolve technical problems, improve team efficiency by 50% and develop internal full-stack dashboards for real-time monitoring and reporting.
- Support front-end/backend integration efforts by contributing to internal web applications used for logging, tracking, and visualizing system performance data.

Full stack Intern, Ocean IT   Apr 2024 – Dec 2024
- Optimized ETL workflows using Databricks and Spark SQL, reducing processing time by 30% and improving efficiency for 1TB+ datasets.
- Automated data workflows using Python and SQL, cutting manual efforts by 40% and reducing error rates by 20%.
- Implemented cloud resource allocation strategies, enhancing performance and lowering costs by 25%.
- Developed and optimized 5+ end-to-end data pipelines, ensuring seamless data integration, transformation, and analysis.
- Collaborated with 10+ cross-functional stakeholders to deploy scalable data analytics solutions, accelerating decision-making processes.
- Formulated cloud resources that achieved a 25% reduction in server downtime and enhanced resource efficiency, resulting in an impressive boost to overall system performance by 20%.

Frontend Developer, Tech solutions   Aug 2022 – Apr 2023
- Designed and deployed responsive web interfaces using HTML5, CSS3, JavaScript, and React, enhancing user engagement by 35% across 3 client-facing applications.
- Built 20+ reusable UI components and integrated them with RESTful APIs, reducing development time by 30% and improving data load speeds by 40%.
- Collaborated with a team of 6 developers in Agile sprints, contributing to 8+ feature releases and participating in daily stand-ups and code reviews.
- Improved cross-browser compatibility and responsiveness, achieving 95%+ performance consistency across Chrome, Firefox, Safari, and Edge.

PROJECTS

Power BI Implementation Project
Technology used: Power BI, SQL
> Led the organization-wide rollout of Microsoft Power BI, impacting over 5 departments and 30+ users, to drive data-driven decision-making and operational efficiency. Configured daily auto-refresh schedules and row-level security (RLS) to ensure data integrity and secure access for various teams.

Real-Time Spotify Music Data analytics
Technologies used: GCP, Apache airflow, BigQuery
> Automated an ETL pipeline that processed 1M+ records from spotify API, enabling real-time analysis of music trends and artist popularity. Automated data extraction of songs, artists and playlists, reducing manual effort by 80%.

Privacy-Preserving Mechanism Using Blockchain, Group project
> Executed a secure authentication system using SSH with public-private key encryption, ensuring encrypted communication and preventing unauthorized access. Created an advanced cloud security architecture employing Fully Homomorphic Encryption (FHE) and SHA algorithms.