

Manthan Mohile

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Summary: Motivated Computer Science graduate student with expertise in server engineering, IT infrastructure, and software development. Skilled in managing server environments, optimizing performance, and implementing scalable solutions. Proficient in programming, cloud technologies, and system security, with a proven track record in process optimization and team leadership.

PROFESSIONAL EXPERIENCE

Associate Server Engineer

CMS IT Services | Mumbai, India

April 2018 – June 2019

- Managed server installations, upgrades, and configurations, ensuring 99% system uptime and improved operational reliability.
- Resolved 95% of server-related support tickets within SLA, enhancing infrastructure performance and end-user satisfaction.
- Optimized server resource allocation, reducing IT operational expenses by 15% through efficient hardware and software management.
- Implemented an IT asset tracking system for servers and peripherals, reducing asset loss by 30% and enhancing accountability.
- Collaborated across multidisciplinary teams to streamline server deployment projects, meeting tight deadlines and business requirements.

PLC Software Engineer

Bhavin Electronics | Gujarat, India

September 2017 – March 2018

- Led a quality improvement initiative that decreased product defects by 15%, enhancing customer satisfaction and increasing retention rates by 25%.
- Automated testing processes, reducing testing time by 20% and improving the accuracy and reliability of test results.
- Trained junior engineers, enhancing their understanding of client requirements and technical skills, which increased team productivity by 15%.
- Collaborated with cross-functional teams to optimize PLC programming and ensure seamless integration with client systems, meeting project deadlines and specifications.

Technical Skills / Certification.

Programming Language/ Databases: C, C++, Python, Java, JavaScript, HTML, CSS, SASS, TypeScript, JSON, PHP, MySQL, PostgreSQL, MongoDB, OracleSQL.

Backend Tools and Technologies: SpringBoot, Node.js, Express.js, Ribbon Workbench, .NET Framework, .NET, Django.

Frontend Frameworks and Libraries: React, Bootstrap, Material-UI, jQuery, PIP, PIP3, Bootstrap, VUE, Angular.

Platforms: AWS (Amazon Web Services), Azure, Windows (XP/7/8/10), Linux (Ubuntu), Mac OSX, WordPress

Software and Development IDE: Visual Studio Code, Eclipse, MATLAB, Git, SVN, Figma, Adobe XD, Axure RP.

Cloud and Virtualization: Docker, Amazon Web Services AWS EC2, Azure Virtual Machines.

Certifications :- Generative AI Certification (LinkedIn), AWS Certified Developer – Associate, Microsoft Azure Data Science Certification

Projects

PDFbot Application

May 2024

Technologies : PineconeDB, Terraform, Git, GitHub Actions, Streamlit, Docker, Python, Azure CI/CD, DevOps, Linux, Selenium, Firebase.

- Automated infrastructure provisioning using Terraform for Pinecone resources and Azure server setup, integrating custom LLM models, and created GitHub Actions workflows for CI/CD, automated integration testing, semantic release, and Docker image deployment.
- Managed web app infrastructure with Streamlit and Python, utilizing Docker and Azure for seamless high-availability deployments via GitHub Actions, and ensured continuous testing and reliability with Selenium and Firebase while maintaining secure connectivity through a Bastion Host.

Car Rental Web Application

Nov 2024

Technologies: Spring Boot, MySQL, Angular, Azure, Git, GitHub Actions

- Developed a full-stack Car Rental application with Angular for the front-end, providing a responsive UI for browsing cars and managing rentals, and Spring Boot with Lombok for the back-end, creating RESTful APIs for car availability, rental data, and user management, integrated with MySQL.
- Utilized Azure for secure, scalable cloud deployment, and incorporated Git and GitHub Actions for version control, automating CI/CD pipelines and ensuring efficient, reliable updates across the entire application.

EDUCATION

DePaul University, Illinois, US

Master of Science in Computer Science

Course: Data Structures and Algorithms, Artificial intelligence, Machine Learning, Algorithms & Tools, Software Testing, Agile, Devops.

Expected May 2025

GPA: 3.3

Mumbai University, Mumbai, India

Bachelor of Engineering in Electronics and Telecommunication Engineering

Relevant Coursework: Database Management Systems, MATLAB, Scilab, Embedded System Distributed Systems, Object Oriented Programming.

September 2019

GPA: 3.6

