

Manthan Mohile

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Software Developer with **4+ years** in backend systems using **Java Spring Boot** and **RESTful APIs**. Skilled in optimizing workflows, resolving system errors, and implementing secure authentication protocols. **Pursuing a Master's in Computer Science**, deepening expertise in scalable software systems, DevOps practices (Docker, Kubernetes), and Agile-driven development workflows.

EDUCATION

DePaul University, Illinois, US

Master of Science in Computer Science

Expected May 2025

GPA:3.3

Relevant Coursework: Data Structures and Algorithms, Artificial Intelligence, Machine Learning, Algorithms & Tools, Software Testing, Agile, DevOps, Big Data, Object Oriented Programming - Enterprise.

Mumbai University, Mumbai, India

Bachelor of Engineering in Electronics and Telecommunication Engineering

May 2022

GPA: 3.6

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

TECHNICAL SKILLS / CERTIFICATIONS

Programming Language: Python, Java, JavaScript, C, C++, HTML, CSS, SASS, TypeScript, JSON, PHP,

SQL / NoSQL: MongoDB, MySQL, PostgreSQL, SQLite, Amazon S3, Amazon DynamoDB, SQL server.

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

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

CI/CD and Cloud Solution: Docker, Amazon web Services AWS, Kubernetes, Jenkins, Azure Virtual Machines, EC2 Virtual Machine.

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

Operating System: AWS (Amazon Web Services), Azure, Windows (8/10/11), Linux, Mac OS X, WordPress.

Certifications: AWS Certified Developer – Associate (Cloud Computing), Generative AI, Microsoft Azure, Introduction of Data Science.

PROFESSIONAL EXPERIENCE

IT System Engineer | CMS Information Technology Services, Mumbai, India

March 2017 – Aug 2017

IOS, Windows 10, MacBooks, Networks, Linux, Windows Server, VMs, Cisco networking, virtualization (VMware, Hyper-V)

- Configured, installed, and maintained IT systems to establish a secure and robust infrastructure.
- Administered daily operations including performance monitoring, troubleshooting, and routine maintenance to optimize uptime.
- Implemented automated monitoring tools to proactively detect and resolve issues, ensuring higher uptime and improved system stability.

Associate Software Engineer | CMS Information Technology Services, Mumbai, India

Sept 2017 – Aug 2019

Software Development, Agile Methodologies, Full-Stack Development, API Integration, Debugging & Optimize

- Enhanced system reliability by implementing robust exception handling and logging mechanisms for order placement workflows.
- Collaborated with cross-functional teams to design and integrate RESTful APIs, ensuring seamless communication between front-end and back-end services.
- Debugged and resolved application issues, reducing system downtime by 40% through efficient troubleshooting and performance tuning.
- Assisted in database design and query optimization, enhancing data retrieval efficiency and reducing response times by 20%. Contributed to Agile development cycles, participating in daily stand-ups, sprint planning, and code reviews to ensure timely project delivery.

PLC Programmer Engineer | Bhavin Electronics | Gujarat, India

Jan 2020 – Dec 2021

Scripting, Programming, Debugging, Communication Protocols, DATA Analysis, Ladder Logics.

- Led a quality improvement initiative that decreased product defects by 15%, enhancing customer satisfaction and increasing retention rates by 25%.
- Collaborated with cross-functional teams to optimize PLC programming and ensure seamless integration with client systems, meeting project deadlines and specifications.
- Documented PLC workflows and participated in peer training sessions to share foundational programming best practices.

PROJECTS

PDFbot Application

May 2024

Technologies: Pinecone DB, 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

November 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 API 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.