


Manthan Mohile

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About Me

A dynamic Software Developer with 4+ years of expertise in backend systems, Java Spring Boot, and RESTful APIs. Passionate about building scalable software solutions, optimizing workflows, and implementing secure authentication protocols. Currently pursuing a Master's in Computer Science, enhancing my proficiency in DevOps, cloud computing, and Agile-driven development.

Education

DePaul University, Illinois, USA

Master of Science in Computer Science | Expected May 2025 | GPA: 3.3


Key Courses: Data Structures & Algorithms, AI & ML, DevOps, Big Data, Agile, Enterprise OOP


Mumbai University, Mumbai, India


Bachelor of Engineering in Electronics & Telecommunication | May 2022 | GPA: 3.6

Key Courses: DBMS, Distributed Systems, Embedded Systems, MATLAB

Technical Skills

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

 Databases: MySQL, PostgreSQL, MongoDB, SQLite, DynamoDB, Oracle SQL, Amazon S3

 Backend: Spring Boot, Node.js, Express.js, .NET, Django


 Frontend: React, Angular, Vue.js, Bootstrap, Material-UI, jQuery

 Cloud & DevOps: AWS, Azure, Docker, Kubernetes, Jenkins, Terraform, CI/CD Pipelines

 Tools: Git, GitHub Actions, VS Code, Eclipse, MATLAB, Figma, Adobe XD

 OS: Windows, Linux, macOS


Certifications

 AWS Certified Developer – Associate (Cloud Computing)

 Microsoft Azure Fundamentals

- ✓ Generative AI Certification
- ✓ Introduction to Data Science

Experience

 Associate Software Engineer | CMS Information Technology Services, Mumbai, India | Sept 2017 – Aug 2019

- Enhanced system reliability by implementing robust exception handling and logging for order workflows.
- Developed and optimized RESTful APIs for seamless front-end and back-end communication.
- Debugged application issues, reducing downtime by 40% through performance tuning.
- Assisted in database query optimization, improving data retrieval speed by 20%.
- Actively engaged in Agile sprints, daily stand-ups, and code reviews.

 PLC Software Engineer | Bhavin Electronics, Gujarat, India | Jan 2020 – Dec 2021

- Led a quality improvement initiative, reducing product defects by 15% and boosting customer satisfaction by 25%.
- Optimized PLC programming for seamless automation and system integration.
- Conducted peer training sessions on best programming practices.

Projects

 PDFbot Application | May 2024

- Automated infrastructure provisioning using Terraform for Pinecone resources & Azure servers.
- Integrated custom LLM models and implemented CI/CD workflows for seamless deployment.
- Deployed a high-availability web app with secure connectivity through a Bastion Host.


 Car Rental Web Application | Nov 2024


- Designed and built a responsive UI for car rentals using Angular.
- Developed a RESTful API with Spring Boot & Lombok, integrating MySQL for data persistence.
- Deployed on Azure Cloud with automated CI/CD pipelines via GitHub Actions.

 Amazon Clone Web Application | Sep 2024

- Developed a full-stack e-commerce platform with secure authentication & real-time updates.
- Integrated RESTful APIs for dynamic product listings & cart operations.

Additional Contributions

 Volunteering: Led events & mentored students at DePaul & Mumbai University.

 Passionate about building scalable software, cloud architecture, and AI-driven solutions. Always open to exciting challenges & collaborations!