

Ibrahim Cheena

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PROFESSIONAL SUMMARY

Software Engineer with expertise in object-oriented design, distributed systems, and web services. Strong background in Java, Python, C++, and C#, with experience in building scalable, fault-tolerant applications. Skilled in data structures, algorithms, data mining, and cloud computing, including Amazon Web Services (AWS). Adept at working in Agile environments, collaborating with cross-functional teams, and driving professional development initiatives.

EXPERIENCE

Software Engineer, Olympiah, Monterey, California, USA

October 2024 - Present

- Developed and maintained full-stack web applications using React.js, Next.js, and Node.js, ensuring high performance and scalability.
- Designed and integrated RESTful web services, improving system communication and data integrity.
- Implemented a containerized test environment using Docker, enabling parallel test execution.
- Optimized database performance, enhancing distributed storage efficiency and reducing query latency by 40%.
- Leveraged Agile methodologies to manage development cycles and deliver high-quality software efficiently.

Full Stack Developer, DKomplex, Monterey, California, USA

May 2024 - October 2024

- Developed responsive and scalable front-end interfaces with React and TypeScript.
- Integrated Microsoft Authentication for secure user access, improving system security.
- Designed and implemented backend solutions with Node.js and C#, ensuring seamless data processing.
- Improved application efficiency by optimizing APIs and distributed storage interactions using MySQL and MongoDB.
- Built CI/CD pipelines using Azure DevOps, reducing deployment time by 40%.

Student Web Developer, CSUMB, Monterey, California, USA

August 2023 - May 2024

- Designed and maintained user-friendly web applications serving 2,000+ monthly users using React.js and CSS.
- Developed and integrated web services to enhance website functionality and enable real-time data visualization.
- Conducted thorough manual and automated testing to ensure cross-browser compatibility and high code quality.
- Partnered with cross-functional teams to optimize database performance and security.

Software Developer, Mozilla Firefox, California, USA

May 2022 - May 2023

- Built and optimized React components for the AMO platform, improving frontend performance by 30%.
- Designed RESTful API endpoints and web services to support thousands of daily active users, improving system scalability.
- Developed backend infrastructure with Django and PostgreSQL, enhancing product analytics capabilities.
- Implemented advanced React hooks to reduce loading times by 50% and enhance user retention.

PROJECTS

PawsConnect Website

January 2024

- Developed a full-stack pet management platform using React.js, Next.js, and Svelte.
- Integrated RESTful web services for seamless data retrieval and real-time updates.
- Built scalable backend solutions with TypeScript and MySQL, ensuring high performance and distributed storage capabilities.

Otter Library System

August 2023 - December 2023

- Designed and implemented a Library System App using Java and Android Studio, allowing users to create accounts with secure credentials and request books.
- Developed an Admin login feature for managing and adding new books efficiently.
- Applied React.js and Node.js for backend integration, ensuring a seamless and user-friendly experience.
- Utilized MySQL for data management and security.

AI-Powered Customer Service Chatbot

December 2022

- Developed an AI chatbot using OpenAI's API, React, and Node.js, improving response time by 65%.
- Designed a custom knowledge base integration system for automated customer support.
- Built an analytics dashboard to track chatbot interactions and optimize user experience.

EDUCATION

California State University Monterey Bay

Bachelor's in Computer Science

GPA: 3.746/4

Select Courses: Data Structures and Algorithms, Software Development, Software Design, Operating Systems

Mumbai University, India

Bachelor's of Science in Information Technology

GPA: 9.44/10

Select Courses: Object Oriented Programming, Internet Programming, Database Management Systems

SKILLS

Programming Languages: Java, C++, C#, Python, Perl, JavaScript, TypeScript, Bash

Frontend: React.js, Next.js, HTML5, CSS3, SASS

Backend: Node.js, Django, RESTful Web Services

Databases: MySQL, PostgreSQL, MongoDB

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

Version Control: Git, GitHub

Testing: Jest, Playwright, Automated Testing

Concepts: Distributed Storage, Data Mining, Operating Systems, Fault-Tolerant Systems

Soft Skills: Strong problem-solving skills, communication skills, adaptability, teamwork, professional development

CERTIFICATIONS

Advanced C++ Training Indian Institute of Technology, Bombay	September 2022
Python 3.4.3 Training Indian Institute of Technology, Bombay	September 2023
Blender Training Indian Institute of Technology, Bombay	September 2023
RDBMS PostgreSQL Training Indian Institute of Technology, Bombay	September 2022

ACHIEVEMENTS

- Awarded J.N. Tata Scholarship and selected as a K.C. Mahindra Fellow (Top 3 out of 59 awardees).
- Active IEEE member, contributing to research in software engineering, test automation, and algorithm design.
- Served as a Teaching Assistant for "Reasoning with Logic" at CSUMB, mentoring 40+ students.