# Ibrahim Cheena

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## PROFESSIONAL SUMMARY

Software Engineer with 3+ years of experience in **full stack development, distributed systems, and large-scale applications**. Skilled in **Java, SQL, API development, and front-end technologies (JavaScript, TypeScript, React, HTML, CSS)**. Delivered measurable improvements in **performance, debugging, and accessibility** while developing **CRM platforms, cloud-based applications, and AI-powered services**. Strong foundation in **data structures, algorithms, and cross-team collaboration**.

## EXPERIENCE

**Software Engineer, Insure123 Insurance Agency Inc., San Jose, California, USA**          *April 2025 – Present*

- Designed and developed a **Sales CRM platform for insurance agents**, integrating **Java + Spring Boot backends, MySQL databases, and RESTful APIs**, enabling agents to manage 5k+ customer profiles.
- Implemented **full stack workflows** with React.js, TypeScript, HTML, CSS, and Tailwind, improving usability and agent productivity by **40%**.
- Enhanced **API performance**, reducing average response time by **35%**, and debugged production issues across distributed services.
- Integrated analytics dashboards and visualization tools for customer data insights, increasing adoption rate among agents by **50%**.
- Ensured **accessibility compliance** across UI components, improving usability for all users.

**Software Engineer, Olympiah, Monterey, California, USA**          *October 2024 – March 2025*

- Built **large-scale distributed microservices** in Java and Spring Boot, cutting API latency by **40%**.
- Applied **data structures and algorithms** to optimize throughput, processing 50k+ natural language requests per day.
- Tuned **SQL queries** and designed new schemas for high-volume transactional systems, reducing query time by **30%**.
- Conducted **debugging and root cause analysis** for production incidents, cutting downtime recovery by **60%**.
- Integrated **machine learning models** into backend services, enabling AI-driven personalization.

**Full Stack Developer Intern, DKomplex, Monterey, California, USA**          *May 2024 - October 2024*

- Built cross-platform dashboards with **React, Angular, TypeScript, and Node.js**, raising test coverage by **45%**.
- Implemented **OAuth2 authentication** to secure APIs and align with enterprise standards.
- Automated QA pipelines and debugging tools that eliminated 25+ recurring defects.
- Delivered accessible front-end features that passed compliance audits with 100% success.

**Student Web Developer, CSUMB, Monterey, California, USA**          *August 2023 - May 2024*

- Developed scalable SaaS applications with **PostgreSQL, Node.js, and REST APIs**, supporting **2,000+ monthly users**.
- Improved **network and system performance**, reducing response times by **25%**.
- Maintained CI/CD pipelines and contributed to 100+ peer-reviewed pull requests focused on **quality assurance and debugging**.

**Software Developer, Mozilla Firefox, California, USA**          *May 2022 - May 2023*

- Engineered **multi-threaded services in C++ and Scala**, cutting latency in security modules by **50%**.
- Developed **REST APIs and large-scale pipelines** with Spark and Kafka, handling **tens of thousands of concurrent requests**.
- Deployed services across **Linux-based environments and cloud platforms**, ensuring scalability and reliability.
- Collaborated across multiple global teams on debugging, code integration, and system design.

## PROJECTS

**AI-Powered CRM Assistant** (2025, Personal Project)

- Built an AI-enhanced CRM module integrating **Gemini/Dart APIs** with React + Node.js.
- Implemented natural language processing for automated lead updates and client interactions.
- Designed database-backed workflows in **MySQL** for secure and reliable storag

**PawsConnect Website** (Jan 2024)

- Developed a full-stack pet care app with **Next.js, PostgreSQL, and AWS Lambda**, including secure dashboards and APIs.
- Improved system performance and task completion rates by **50%**.

**Otter Library System** (Aug 2023)

- Built a **Java + MySQL** client-server application with distributed workflows and mobile-first access.
- Implemented secure authentication and debugging tools, supporting 5k+ queries/month.

## EDUCATION
**California State University Monterey Bay**
Bachelor's in Computer Science | **GPA:** 3.746/4
**Relevant Coursework**: Distributed Systems, Operating Systems, Software Development, Microservices

**Mumbai University, India**
Bachelor's of Science in Information Technology | **GPA:** 9.44/10
**Relevant Coursework**: Object Oriented Programming, DBMS, Software Testing, Operating Systems

## TECHNICAL SKILLS
- **Languages**: Java, Scala, C++, Python, JavaScript, TypeScript, SQL
- **Frameworks**: Spring Boot, ReactJS, Angular, Next.js, Node.js, Express
- **Databases**: MySQL, PostgreSQL (Schema Design, Query Optimization)
- **Full Stack**: REST API Development, HTML, CSS, TypeScript, Tailwind, Responsive Design
- **Large-Scale Systems**: Kafka, Spark, Client-Server, Parallel Programming, Performance Debugging
- **AI & Distributed Systems**: Gemini Dart (integrations), ML model deployment, NLP pipelines
- **Cloud & DevOps**: AWS, GCP, Docker, GitHub Actions CI/CD
- **Operating Systems & Debugging**: Linux, OS fundamentals, performance tuning
- **Accessibility**: WCAG compliance, UI accessibility design

## CERTIFICATIONS
- RDBMS PostgreSQL Training | Indian Institute of Technology, Bombay
- Python 3.4.3 Training | Indian Institute of Technology, Bombay
- Advanced C++ Training | Indian Institute of Technology, Bombay

## ACHIEVEMENTS
- Awarded J.N. Tata Scholarship and K.C. Mahindra Fellowship (Top 3 out of 59 awardees).
- Active IEEE member, contributing to research in software engineering, test automation, and frontend performance optimization.
- Teaching Assistant for CSUMB's "Reasoning with Logic", mentoring 40+ students.