

# ANSELM JOSEPH

## FULL STACK DEVELOPER

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Full Stack Developer with 5+ years of experience in backend, web, and mobile applications. Master's in Computer Engineering with focus on Machine Learning. Experienced with React, React Native, Java, Node.js, MySQL, and MongoDB.

### PROFESSIONAL EXPERIENCE

#### MOLEX

BANGALORE, INDIA

##### SOFTWARE ENGINEER

DEC 2019 – AUG 2022

- Owned Identity and Access Management (IAM) microservice built using Java, Spring Boot, and MongoDB, streamlined user authentication and authorization processes, reducing API development time by 10% and enhancing security.
- Developed middleware to aggregate real-time data using Python, Kafka, AWS; improving ingestion rate by 17%.
- Improved digitization pipeline's efficiency by 70% for terabytes of blueprints built on GCP, Python, Pillow, and Solr.

#### CBREX TECHNOLOGIES

BANGALORE, INDIA

##### PRODUCT ENGINEER 1

AUG 2017 – DEC 2019

- Refactored website to use React and Bootstrap to provide excellent UX, improving user engagement by 33%.
- Created 2 JavaScript libraries, reducing redundant code by 20% and improving UX and customer satisfaction.
- Communicated technical subjects to stakeholders and created actionable tasks, reducing delivery time of features.
- Contributed to adoption of Agile Methodologies and CI/CD, utilizing Jira and Jenkins, improving productivity by 30%.
- Optimized MySQL queries and implemented API caching using Redis with Spring Boot, reducing load times by 44%.

### EDUCATION

#### ILLINOIS INSTITUTE OF TECHNOLOGY

CHICAGO, IL

##### MASTERS IN COMPUTER ENGINEERING, 3.9 GPA

EXPECTED MAY 2024

- Focus: Probability & Statistics in CS, Machine Learning, and Artificial Intelligence.

#### NEW HORIZON COLLEGE OF ENGINEERING

BANGALORE, INDIA

##### BACHELORS IN COMPUTER SCIENCE AND ENGINEERING

AUGUST 2013 – MAY 2017

- Focus: Advanced Data Structures and Algorithms.

### ENTREPRENEURIAL EXPERIENCE

#### DOG LEADS – React.js, Next.js, Typescript, AWS, Machine Learning

- Created a platform to generate leads for businesses using Artificial Intelligence.
- Implemented a recommendation system using collaborative filtering, increasing user engagement by 40%.

#### EARTHEN SHADE – React.js, Next.js, Vercel, Firebase, GCP, Typescript, Tailwind CSS

- Designed and developed an e-commerce platform, finding balance between technical robustness and business impact, iterating with feedback from stakeholders and customers.
- Implemented a real-time chat feature using WebSocket and Socket.io, enhancing user engagement and reducing response time by 20%.

#### NOBIAS INVESTING – React Native, Typescript, Swift, Java, GitLab CI/CD

- Balanced between UX and performance on information-rich screens through a process of continuous improvement.
- Widespread device compatibility was prioritized and ensured reliability and responsiveness on low-end networks.

### SKILLS

**Languages:** JavaScript, TypeScript, Python, Java, Swift, Kotlin, Go.

**Frontend Technologies:** React, React Native, Angular, SwiftUI, HTML, CSS, Tailwind CSS, Bootstrap.

**Backend Technologies:** Google Cloud, Firebase, AWS Cloud, Node.js, Next.js, Spring Boot, Flask, MongoDB, Firestore, MySQL, Redis, Kafka, Docker.

**Concepts:** Operating System, Object Oriented Programming, Functional Programming, Caching, Encryption, Decryption, Artificial Intelligence, Machine Learning, Neural Networks, REST API, SOAP API, Database Normalization, Agile Methodology, Cloud Computing, Payment Systems, Containerization, CI/CD, Sockets, Networking, Security.