

# ANSELM JOSEPH

## FULL STACK DEVELOPER

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Creative Full Stack Developer with 6 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

#### UNIVERSAL MUSIC GROUP

CHICAGO, IL

##### SOFTWARE ENGINEER CONSULTANT

AUG 2024 – CURRENT

- Built features for Consumer Marketing Technologies (CMT) platform which operate at scale, serving millions of users, using Firebase Realtime Database, Google Cloud Functions, Google Big Query, Node.js, and React.
- Provide timely support and critical bug fixes for request from business stakeholders, prepare and ensure all systems are operational for high volume requests during large events.
- Write and maintain scripts to generate reports, automate tasks, migrate between services such as Lytics and Braze.

#### CLIMATEFORGE

SAN FRANCISCO, CA

##### FOUNDING ENGINEER

AUG 2023 – CURRENT

- Conducted user interviews to understand market fit and developed a product roadmap, increasing interest in the product.
- Designed and built a creative pre-release landing page (<https://dogleads.pro>) to gauge user interest and collect emails using React, Next.js, Vercel, SendGrid. Resulting in 1000+ signups.
- Developed a map based interface with natural language input (NLP) to find leads by collating information extracted from mapping imagery using Next.js, React, Vercel, Mapbox.
- Created a Customer Relationship Management (CRM) system to manage leads and track interactions.

#### 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%.
- Initiated push to improve code quality by implementing test driven development (TDD), code reviews, and static code analysis using JaCoCo, SonarQube, and JUnit, reducing QA testing time by 50%.
- 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 Java, Spring Boot, React and Bootstrap to improve UX, increasing 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

AUGUST 2022 – 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.

### 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.