

# 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

#### CLIMATEFORGE

##### FOUNDING ENGINEER

SAN FRANCISCO, CA

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

##### SOFTWARE ENGINEER

BANGALORE, INDIA

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

##### PRODUCT ENGINEER 1

BANGALORE, INDIA

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

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

CHICAGO, IL

AUGUST 2022 – MAY 2024

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

#### NEW HORIZON COLLEGE OF ENGINEERING

##### BACHELORS IN COMPUTER SCIENCE AND ENGINEERING

BANGALORE, INDIA

AUGUST 2013 – MAY 2017

- **Focus:** Advanced Data Structures and Algorithms.

### PROJECTS

#### CITED RAG – React.js, Next.js, Vercel, Vertex AI, GCP, Typescript, Tailwind CSS, Figma

- Conducted user research, designed a product addressing the requirements of GPT in the journalism and education sectors.
- Developed a website with a focus on user interface, user experience, performance, and accessibility, receiving highly positive feedback from early adopters.

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

- 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%.

#### DIGITAL LIFE CERTIFICATE – HTML, JavaScript, Tailwind CSS, Python, Docker, Figma

- Implemented secure facial recognition and liveness detection and generated identifiable and tamper proof PDF documents.
- Ensured secure, testable, documented code with 100% code coverage that passed multiple security audits by independent security agencies.

### 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.