

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, reducing response time by 50%.
- Write and maintain scripts to generate reports and automate tasks, to serve business requests saving hours per week.

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.

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.

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.

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.