

NOEL PAUL MOSES JANGAM

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SUMMARY

Data-driven software engineer with 3 years of experience building scalable web applications, APIs, and backend services. Proficient in full-stack development with a focus on clean, responsive user interfaces, cross-browser user interfaces, secure RESTful services, and AWS cloud deployments. Experienced in integrating third-party APIs, optimizing application performance, and implementing CI/CD pipelines. Passionate about delivering reliable, efficient solutions and continuously exploring new tools and technologies to improve product outcomes.

TECHNICAL SKILLS

- **Languages:** Java, Python, C/C++, JavaScript, TypeScript, HTML/CSS.
- **Frameworks:** ReactJS, NodeJS, NextJS, ExpressJS, React Native.
- **Cloud Platforms:** Amazon Web Services (AWS: Lambda, ECS, S3, SQS, SNS, DynamoDB, CloudWatch), Microsoft Azure.
- **Operating Systems:** Linux, MacOS, Windows
- **Databases:** SQL (MySQL, SQLite, PostgreSQL, Oracle), NoSQL (MongoDB, Amazon DynamoDB).
- **Tools:** Git, GitHub Actions, Vercel, Hostinger, Render.

EDUCATION

Master of Science - Computer Science (GPA: 3.83/4.0)
Arizona State University, Tempe, AZ

May 2025

PROFESSIONAL EXPERIENCE

Software Engineer Intern, Naviget, San Jose, CA

February 2025 - May 2025

- Built Naviget's cloud-based 3D medical imaging full-stack application, enabling real-time, HIPAA-compliant rendering of MRIs and CT scans using **AWS, React (Next.js), and Supabase (PostgreSQL)** for scalable, secure processing.
- Developed a scalable DICOM file upload system using **AWS S3 and Lambda**, handling 500+ image uploads daily with robust error handling and encryption.
- Engineered an AI-powered video slider tool for dynamic, real-time before-and-after MRI scan comparisons using **React (Next.js), TypeScript**, and **AWS Lambda APIs**, enhancing diagnostic accuracy and improving user interaction.
- Built responsive UI components with **Next.js, TypeScript, and Tailwind CSS**, streamlining design workflows and deployment pipelines.
- Led backend integration with **Supabase (PostgreSQL)**, writing optimized SQL queries, schema migrations, and managing relational data for real-time imaging metadata.
- Contributed to Naviget's official acceptance into the **NVIDIA Inception Program**, leveraging CUDA-powered processing and accelerated computing to drive new advances in DICOM workflows and next-generation imaging platforms.
- Led CI/CD pipeline implementation using **GitHub Actions**, integrating JMeter for automated performance testing; reduced latency by 20% and cut manual deployment efforts by 50%.
- Automated system notifications with **AWS SNS and SQS**, and integrated Microsoft Teams for real-time incident response, improving reaction time by 25%.

Software Engineer Intern, RoomieHub, Phoenix, AZ

June 2024 - November 2024

- Designed and implemented 4 intuitive navigation components for the User Profile dashboard in the mobile application using **React Navigation**.
- Led development of 2 primary modules: User Profile Navigation and Progress Tracking using **React Native, AWS**, and **Redux**.
- Deployed User Profile module on **AWS EC2** ensuring 99.9% uptime and efficient resource utilization for the backend.
- Developed home screen functionality, supporting image uploads up to 10 MB and enhanced **state management** using **Redux**.

Software Engineer, Tata Consultancy Services (Partner: AWS), Hyderabad, India

October 2021 - July 2023

- Partnered with UI/UX teams to translate design systems into responsive, high-performance interfaces using **React Native** and **Styled Components**, ensuring consistency and usability across mobile applications.
- Developed a **React** based order tracking system used by 500+ retail associates to monitor shipments & fulfillment status.
- Implemented **Redux** state management to improve application scalability, optimize performance, and ensure efficient data flow across components.
- Contributed to **Amazon CodeWhisperer**, a Low-Code/No-Code developer productivity platform.
- Developed **50+ AWS APIs** and respective backend services leveraging **Java** and **Python**.
- Collaborated with **cross-functional** teams at Amazon to design and implement scalable backend services, enhancing internal developer tools and streamlining API integration workflows, leading to faster development cycles and more efficient deployments.

- Wrote and optimized **SQL** queries for data retrieval, transformation, and reporting, supporting operational dashboards and internal APIs using **MySQL** and **PostgreSQL** databases.
- Initiated and monitored real-time data ingestion by deploying AWS Kinesis, handling up to 10,000 events per minute.
- Created and managed 3 **RESTful APIs** with **Node.js** for seamless front-end and back-end integration.
- Spearheaded development of an AWS application to analyze over 1000 PDF documents daily using AWS Textract service.
- Produced **SNS** with **AWS SQS & Lambda** managing over 400 notifications daily.

Software Engineer Intern, Verzeo, Hyderabad, India

June 2019 - November 2019

- Developed a comprehensive Azure-hosted E-commerce solution, leveraging Azure Virtual Machines and Blob Storage improving page load times and data-processing efficiency by 25%.
- Designed and implemented core system functionalities, including user authentication, product catalog management, and order processing.
- Collaborated extensively with experienced engineers to identify and resolve technical problems, and improved code to enhance performance and scalability.

PROJECTS

[ApplyBeast.com](#), Tech Stack: TypeScript, NextJS, NodeJS, PostgreSQL

- Developed a full-stack SaaS platform using **React (Next.js)**, **Node.js** for job application automation, which processed 100+ job applications per day with AI-powered resume feedback.
- Successfully deployed ApplyBeast and its dashboard on **Vercel**, ensuring **CI/CD** workflows for seamless updates and rollbacks.
- Integrated Lemon Squeezy payment gateway to manage user subscriptions and handle transactions securely.

[NoelPaulMoses.com](#), Tech Stack: JavaScript, ReactJS, ThreeJS, Vite

- Built a personal portfolio website with special focus on dynamic and responsive UI components leveraging **JavaScript** and **ReactJS**.
- Specialized in integrating 3D models using **ThreeJS** into the website and auto deployed on **Hostinger** via **Github**.

Virtual Mart: A Robust Online Shopping Platform | JavaScript, MongoDB, ExpressJS, ReactJS

- Built an interactive e-commerce website using **MERN** stack and employed lazy loading, cutting average load times by 1.5 seconds.
- Reduced backend processing time, optimizing application performance through implementation of **Node.js**.

Context Monitoring Application, Tech Stack: Android Studio, Java, MySQL

- Launched an Android application "MindFul Life" with Android Studio and Java capturing 2 vital components: heart & respiratory rates with flash-enabled video and accelerometer as sensors.
- Logged collected data in a **MySQL** database local storage for over 1200 records on an individual's smartphone.
- Integrated **Google Maps API** to send location with SOS alert while ensuring 10-meter accuracy when triggered.