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 architecture, system performance, and asynchronous programming. Experienced in developing responsive user interfaces, integrating third-party services, and maintaining secure, cloud-based platforms. Passionate about delivering reliable, efficient solutions and continuously exploring new tools and technologies to improve product outcomes.

PROGRAMMING SKILLS

Languages: Java, C++, Python, Swift, Objective-C, JavaScript, TypeScript.
Frameworks: ReactJS, NextJS, NodeJS, ExpressJS, React Native, Redux.
Cloud Platforms: Amazon Web Services (AWS: Lambda, ECS, S3, SQS, SNS, DynamoDB, CloudWatch), Microsoft Azure.
Databases: MongoDB, Amazon DynamoDB, Oracle, PostgreSQL, MySQL, SQLite.
Developer & Deployment Tools: Git, XCode, VSCode, GDB, LLDB, Eclipse, Linux Commands, REST APIs, TCP/IP; Vercel, Hostinger, Render.

EDUCATION

Master of Science - Computer Science (GPA: 3.78/4.0)   May 2025
Arizona State University, Tempe, AZ

WORK EXPERIENCE

Software Engineer Co-Op, Naviget, San Jose, United States   February 2025 - Present

- Building Naviget's cloud-based 3D medical imaging platform from scratch, enabling real-time, HIPAA-compliant rendering of MRIs and CT scans using AWS, Next.js, and Supabase for scalable, secure processing.
- Developing 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, enhancing diagnostic accuracy and improving user interaction.
- Built responsive UI components with Next.js, TypeScript, and Tailwind CSS, streamlining design workflows and deployment pipelines.
- Automated system notifications with AWS SNS and SQS, and integrated Microsoft Teams for real-time incident response, improving reaction time by 25%.
- 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 Jenkins and GitHub Actions, integrating JMeter for automated performance testing; reduced latency by 20% and cut manual deployment efforts by 50%.
- Provisioned and maintained infrastructure with Terraform, deploying scalable, secure AWS services and integrating Supabase as a backend, improving database performance by 40% and response times by 20%.

Software Engineer Intern, RoomieHub, Phoenix, United States   June 2024 - November 2024

- Designed and implemented 4 intuitive navigation components for the User Profile dashboard in mobile application using React Navigation.
- Led development of 2 primary modules: User Profile Navigation and Progress Tracking utilizing 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 (Client: Amazon), 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, C++, 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.
- Initiated and monitored real-time data ingestion by deploying AWS Kinesis, handling up to 10,000 events per minute.
- Produced Subscription Notification Service (SNS) with AWS SQS & Lambda managing over 400 notifications daily.
- 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.

Software Engineer Intern, Verzeo, Bangalore, 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.

KEY PROJECTS

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

NoelPaulMoses.com **| 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.

Context Monitoring Mobile Application | Android Studio, Java, MySQL
- Launched an Android application "'MindFul Life" with Android Studio and Java capturing two vital components: heart & respiratory rates with flash-enabled video and accelerometer as sensors.
- Logged collected data in a MySQL database to ensure reliable 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.