

Kevlar Nalankilli

Senior Full Stack Developer

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<https://www.linkedin.com/in/kevlar-nalankilli-394425178/> ☆ Senior Full-Stack Developer

SUMMARY

Full Stack Software Engineer with expertise in cloud-native, data-intensive applications, proficient in large-scale web development and team management.

EXPERIENCE

Software Engineer

Presidio

09/2024 - Present College Park, MD

React, Azure OpenAI, Azure AI Search

- Built a GenAI chatbot using RAG for efficient document retrieval, integrating Azure OpenAI, AI Search, and Storage Queue with a React-based frontend

SDN & Automation Engineer

Nokia

09/2023 - 05/2024 Sunnyvale, CA

Flask, Go, React

- Developed error handling, testing, validation for a network automation platform. Evaluated LLama2, exLlama, and chatGPT models on GPU clusters to develop a proprietary LLM for Nokia

Research Assistant

George Mason University

11/2022 - 04/2023 Fairfax, VA

Analysing Depression Index | (Huggingface, BERT, tensorflow)

- NLP research; extracting and cleaning Twitter data to predict depression index across US counties using regression with the BERT model.

Senior Software Engineer

Presidio

05/2019 - 07/2022 Chennai, India

- 1. Multi-Repo Project Infrastructure for GPSTrackIt** | (Pulumi, AWS, Serverless, shell-scripting, NodeJS, DMS, RDS)
 - Automated AWS 3-tier VPC creation in respective environments and orchestrated CI/CD pipelines.
 - Enabled streamlined data migration from on-premise MySQL to AWS Aurora using DMS and master-slave replication.
- 2. Document Management System for Otsuka** | (React, Nodejs, DynamoDB, Patch Scripting, Nunjucks, twig)
 - Developed recursive deletion for graph-structured interconnected documents, implemented case-insensitive variable handling
 - Built a feature-rich multifunctional DataGrid table by upgrading the material-table package in React benefiting users to copy, paste cells, rows, columns
- 3. Video-Conferencing App for NuSkin** | (Angular, Vue, AWS ChimeSDK, Websockets API, CherryPy, MySQL)
 - Built video conferencing using AWS Chime SDK, implemented web sockets for product showcases, migrated the app from Angular to Vue, and tracked user activity, device details for predictive data analysis.
- 4. Network Automation for Disney** | (FastAPI, DAG, Springboot, Ansible)
 - Developed APIs for TRON (TRansformative Orchestration of Networks), which interact with Airflow DAGs to manage data pipelines, transforming Disney's network into a self-service platform with streamlined network operations.
- 5. Regulatory Report Generation for Greenway** | (Java, .NET, Stepfunctions, PostgreSQL, Angular, AJAX, jQuery)
 - Designed XML to JSON parsing via Stepfunctions for clinical document handling, enhancing the user interface with dynamic forms, AJAX, and jQuery for better interactivity with selective rollout via feature flags

EDUCATION

M.S. in Computer Science

George Mason University

05/2022 - 05/2024 Fairfax, VA, USA

B.Tech in Computer Science & Engg.

Amrita Vishwa Vidyapeetham University

05/2015 - 07/2019 Coimbatore, India

TECHNOLOGICAL SKILLS

Languages

Java, Python, TypeScript, Go, C#, C, C++, SQL, HTML, CSS, Scripting - Linux, git-patch

Frontend Technologies

Angular, React, Vue, Bootstrap, tailwind, NextJS, Android Studio, Flutter, AJAX, jQuery, GraphQL, React Native, Redux

Backend Technologies

Springboot, Node.js, Go, PHP, Python (Flask, FastAPI, Django, CherryPy), .NET, Airflow DAG, Keycloak, Kotlin, MySQL, PostgreSQL, MongoDB

Cloud Technologies

AWS (CF, VPC, Lambda, CodePipeline, DynamoDB, Aurora MySQL, RDS, DMS, Kinesis, SQS), Docker, Kubernetes, Pulumi, Jenkins, Serverless, ArgoCD

ACCOMPLISHMENTS

AWS Solutions Architect - Associate

AWS - SAA | 2021

Winners - Peraton Track and Salesforce Track

PatriotHacks | 2023 | 36-hour hackathon

10/2023 George Mason University, Fairfax, VA

React, Alteryx, Tableau, Amazon S3

- App featuring journey hazard insights, integrating Google Maps markers and and crash site warnings.

Winners - "Best use of AI" track

Hackfax | 2024 | 36-hour hackathon

02/2024 George Mason University, Fairfax, VA

React, Airflow, GCS, dlib, opencv, Tensorflow

- Reduced accident rates with real-time driver alerts, route optimization, drowsiness detection, and semi-autonomous curve steering assistance

ACADEMIC PROJECTS

GMU Student Survey

2023 Fairfax, VA

- University survey application; deployed on Kubernetes cluster in EC2; Orchestrated Jenkins pipeline; utilized ArgoCD, Helm for Kubernetes CD