NANDA KISHORE KORRAPOLU

2201 4th Ave, Seattle, WA 98121

📞 585-559-7005 ✉ nandakishore3063@gmail.com in https://www.linkedin.com/in/nanda-kishore-korrapolu/ ⚫ github.com/nanda3063

OBJECTIVE

Software Engineer with **4.5+** years of experience across AWS and Temenos, specializing in scalable distributed systems, serverless architecture, and full-stack development. Seeking challenging and engaging opportunities to further advance my skills.

EDUCATION

University of Rochester   **08/26/2022 - 12/29/2023**
Master of Science in Computer Science   *GPA: 3.7/4.0*
Relevant Courses: Machine Learning, Data Mining, Deep Learning, Data Science at Scale.

Sastra University   **07/12/2016 - 05/20/2020**
Bachelor of Technology in Computer Science and Engineering   *GPA: 3.8/4.0*
Relevant Courses: Design and Analysis of Algorithms, Artificial Intelligence, Big Data.

SKILLS

Programming Languages & Databases: Python, Ruby, Java, C++, TypeScript, JavaScript, SQL, HTML/CSS
Frameworks and Libraries: React.js, Flask, Maven, Pandas, NumPy, Matplotlib, TensorFlow, PyTorch, scikit-learn
Tools and Technologies: AWS (Lambda, S3, DynamoDB, Fargate, API Gateway), Docker, Git, Databricks, DataDog, Prometheus, Grafana, Splunk, Postman, Jira, Bitbucket, GitHub, WinSCP, RedHat JBoss, IBM Websphere, AJAX, Putty

EXPERIENCE

Amazon Web Services   **02/05/2024 - Present**
Software Development Engineer   *Seattle, Washington*
- Working in the **AWS Infrastructure Security** team. Designed and deployed scalable, serverless security validation pipelines using AWS Lambda, DynamoDB, S3, and API Gateway. Ensured **100%** compliance across **2.5M+** network devices globally (Cisco IOS, Broadcom Fastpath, NetScaler). Improved operational efficiency and audit readiness by automating Access Control List (ACL) config validations.

Amazon Web Services   **05/22/2023 - 08/25/2023**
Software Development Engineer Intern   *Seattle, Washington*
- Developed and launched the **AWS Availability Zone Health Tool**, used company-wide for long-range data center planning (13-year forecasts).
- Built full-stack features using Flask APIs, AuroraDB, TypeScript, and integrated advanced real-time filtering and data visualizations with JQuery DataTables.

Temenos   **08/02/2020 - 08/03/2022**
Software Engineer   *Chennai, India*
- Engineered custom APIs and local enhancements for global banking clients (e.g., Komercni Banka, Sea Bank), with a focus on high-throughput transactional systems.
- Spearheaded internal dashboard development that reduced service requests by **25%** and improved SLA adherence to **99%**.

Temenos   **12/13/2019 - 06/19/2020**
Software Engineer Intern   *Chennai, India*
- Re-architected customer and fund authorization microservices for T24 product, reducing load on the monolith by **30%** and improving API response times by **25%** .
- Enabled seamless access to customer data, account balances, and funds transfer information for end-users. Maintained data integrity and real-time accuracy by ensuring continuous updates to T24 in alignment with microservice records.

PROJECTS

TikTok Video Classification for Vaping Awareness - RA Prof Chenliang Xu   **09/12/2023 - 12/08/2023**
- Built a full pipeline using OpenAI Whisper, OCR, and Video LLaMA (13B parameters) to classify videos as pro- or anti-vaping from TikTok's API data.   .
- Cleaned and preprocessed data from video, audio, and text sources to power a multi-modal classifier for public health monitoring.   .

Citibike Station Inventory Tracking   **03/20/2023 - 05/06/2023**
- Developed an end-to-end analytics system for real-time bike inventory tracking at NYC stations, leveraging ETL pipelines, ML models (FbProphet), and Databricks.   .
- Implemented Bronze-Silver-Gold data lake architecture, and used MLflow for staging/production lifecycle management.   .

ACHIEVEMENTS

- Recipient of **30%** merit scholarship from **University of Rochester.**
- Received Spot Awards, TCCP (Temenos Certified Consultants Programmer) **GOLD certified Consultant.**
- **Dean's scholarship** - under-graduate, National Scholarship for Class 12th marks.