Viswanadh Reddy Nune

Wichita, KS | vnune.official@gmail.com | +1 323 897 9426 | LinkedIn

Summary

Software Engineer with **3+ years** of experience designing and implementing scalable full-stack applications, cloud-based solutions, and enterprise-grade systems across finance, healthcare, and technology domains. Skilled in **Java, Python, TypeScript, React, Spring Boot, and AWS**, with hands-on expertise in **RESTful API development, microservices architecture, CI/CD pipelines, and database management (SQL, DynamoDB)**. Proven track record of **improving system performance, automating workflows, and delivering high-impact features** that enhance user experience and operational efficiency. Experienced in **Agile methodologies, PRD creation, and cross-functional collaboration**, with a strong focus on delivering secure, compliant, and data-driven solutions for large-scale enterprise environments.

Technical Skills

- **Programming Languages:** Java, Python, SQL, C, GO,
- **Databases:** My SQL, Oracle, PostgreSQL, MongoDB, DynamoDB, SQL Server, SQLite.
- **Frontend Development:** TypeScript, JavaScript, HTML, CSS, jQuery, XML, JSON, BootStarp, Restful API, Redux.
- **Libraries / Frameworks:** React, Angular, Spring, Flask, NodeJS, Pandas, NumPy, Pandas, Express JS, Spring Boot.
- **Cloud Technology:** AWS, Azure
- **Cloud & DevOps:** Jenkins, GitHub Actions, Kubernetes, CDK, API Gateway, IAM
- **Data Tools & Visualization:** MATLAB, Tableau, Power BI, Dashboards, Data Visualization.
- **Other Skills:** Agile, SDLC, MS Project, JIRA, Git, OAuth2, Audit & Compliance

Professional Experience

BNY Mellon   **Wichita, KS**
Software Engineer   **Jun 2025 – Current**

- Designed and implemented new features for high-traffic client transaction dashboards, improving the visibility of digital asset portfolios and trade history by **28%**, enhancing customer experience and retention. (Java, React, TypeScript)
- Led a cross-functional team of **10 engineers** in an Agile environment to modernize a **legacy payments and settlements platform**, reducing processing latency by **35%** and ensuring compliance with financial regulations. (Java, Spring Boot, AWS)
- Built and optimized **CI/CD pipelines** for API and microservice deployments using AWS CDK, cutting deployment time by **40%** while strengthening IAM role-based security and access controls. (AWS API Gateway, Jenkins, GitHub Actions)
- Designed and developed **enterprise-level microservices** integrating core banking, payment, and reporting systems, resulting in a **15% increase in transaction throughput** and improved client service reliability. (Java, Microservices, Kubernetes)
- Delivered **20+ RESTful APIs** to securely handle sensitive financial data for over **50,000 users**, ensuring strict adherence to identity management, authorization, and audit compliance. (OAuth2, API Design)
- Automated workflows for **financial reporting templates**, reducing manual setup effort by **60%** and accelerating delivery of compliance reports to regulators and clients. (Python, AWS DynamoDB, React)
- Partnered with stakeholders and product managers to define **technical roadmaps and PRDs**, enabling the onboarding of **3,500+ institutional clients** and driving adoption of next-generation digital platforms.

McKesson   **Wichita, KS**
Software Engineer   **Feb 2025 – May 2025**

- Developed and implemented features for high-traffic healthcare dashboards, improving visibility of patient, supply chain, and clinical data by 25%, enabling faster decision-making. (Java, Python, TypeScript, React, Angular, NodeJS, ExpressJS)
- Led a team of 6 engineers to modernize legacy pharmacy management and billing systems, reducing processing time by 30% and improving system reliability. (Java, Spring Boot, Flask, AWS, Azure)
- Built and optimized CI/CD pipelines for microservices and APIs using Jenkins, GitHub Actions, and AWS CDK, reducing deployment time by 35% and enhancing automated testing coverage.
- Designed and developed RESTful APIs and database integrations to securely manage sensitive healthcare data for 20,000+ users across MySQL, PostgreSQL, MongoDB, SQL Server, and DynamoDB. (OAuth2, API Design, SQL)
- Developed dynamic and responsive front-end interfaces using React, Redux, and jQuery, improving user interaction and state management across healthcare dashboards, resulting in a 20% increase in usability and faster data access for clinicians and staff.
- Implemented interactive data visualizations and dashboards using React, Power BI, Tableau, and custom Python scripts, improving reporting efficiency and decision-making.
- Automated workflows for patient records, pharmacy transactions, and compliance reporting, reducing manual effort by 50% while ensuring audit and regulatory compliance. (Python, Pandas, NumPy, MATLAB)
- Collaborated with product managers and stakeholders to define technical roadmaps and PRDs, enabling deployment of scalable healthcare solutions across multiple facilities.

Wipro Technologies   **Kerala**
Software Engineer   **Dec 2021 – Dec 2022**

- Developed enterprise client applications, improving data processing, workflow efficiency, and system performance by 30%. (Java, Python, TypeScript, React, Angular, NodeJS, ExpressJS)
- Collaborated with 8 engineers to modernize internal systems and migrate legacy applications to microservices architecture, reducing response time for critical operations by 25%. (Java, Spring Boot, Flask, AWS, Azure)
- Built and maintained CI/CD pipelines using Jenkins, GitHub Actions, and AWS CDK, ensuring smooth production releases and automated deployments.

- Designed and developed RESTful APIs to manage sensitive client data for 15,000+ users, with robust authorization and identity management. (OAuth2, API Design, SQL, DynamoDB, MongoDB)
- Implemented interactive dashboards and data visualizations using Tableau, Power BI, and custom Python scripts (Pandas, NumPy, MATLAB), enhancing reporting and analytics capabilities.
- Automated reporting and data workflows, reducing manual effort by 40% and improving overall system efficiency.
- Conducted code reviews, testing, and debugging across Java, Python, and TypeScript modules, reducing post-release issues by 20%.

AirBnb   **Kerala**

Software Developer   **Jul 2020 - Nov 2021**

- Developed and implemented features for the property booking and management platform, improving user engagement and system performance by 20%. (Java, Python, TypeScript, React, Angular, NodeJS, ExpressJS)
- Migrated legacy listing and reservation modules to a modern microservices architecture, reducing response time by 30% and increasing system scalability. (Java, Spring Boot, Flask, AWS, Azure)
- Built and maintained CI/CD pipelines for microservice deployments using Jenkins, GitHub Actions, and AWS CDK, reducing deployment time by 35% and ensuring reliable production releases.
- Designed and developed RESTful APIs to manage booking and user data for 10,000+ users, implementing strict authorization, identity management, and database integrations across MySQL, PostgreSQL, MongoDB, SQL Server, and DynamoDB. (OAuth2, SQL)
- Implemented interactive dashboards and reporting using React, Power BI, Tableau, and Python libraries (Pandas, NumPy, MATLAB), improving operational efficiency and host/guest insights.
- Automated workflows for property data validation, reporting, and analytics, reducing manual effort by 40% and enhancing platform reliability.
- Partnered with product managers and stakeholders to define technical requirements, roadmaps, and PRDs, enabling delivery of scalable features for hosts and guests.

Education

Wichita State University   **Wichita, Kansas**

Master of Science in Computer Science | **GPA: 3.91/4.00**   Jan 2023 – Dec 2024

NIT Calicut   **Kerala, India**

Bachelor of Electronics and Communication Engineering   Jul 2017–Jun 2021

Projects

Ionospheric Total Electron Content (TEC) Forecasting

- Engineered a hybrid model using physics-informed algorithms and deep learning techniques to predict ionospheric electron fluctuations by location and time, enhancing forecasting accuracy.
- Improved GPS and satellite-based communication precision by modeling solar and geomagnetic effects, utilizing Python, TensorFlow, and scikit-learn.

Social Media Dashboard

- Constructed a full-stack dashboard that retrieved and displayed live engagement data from Twitter, Facebook, and Instagram APIs, providing real-time insights.
- Designed responsive data visualizations using React and implemented backend logic with Node.js and Express.js to ensure seamless analytics and data processing.

Home Automation System

- Developed a smart automation solution to remotely control lighting, climate, security, and media across connected devices, enhancing user convenience and energy efficiency.
- Integrated IoT sensors, microcontrollers, and wireless modules to facilitate real-time monitoring and management of home appliances, optimizing automation.