**Ramnikhil Palasetty**

Harrison, NJ

**SUMMARY**

Accomplished Java Full Stack Developer with extensive experience in designing and delivering scalable, end-to-end web applications. Proficient in Java, Spring Boot, and Spring Framework, with a strong focus on building cloud-native solutions using AWS and Azure. Skilled in front-end development with Angular, TypeScript, and React JS, seamlessly integrating RESTful APIs and back-end services. Adept at leveraging SQL, microservices, containers, and CI/CD pipelines to deliver high-quality software in Agile/Scrum environments.

# SKILLS

* **Programming Languages**: Java, JavaScript, TypeScript, Python, C#
* **Front-End Technologies**: Angular, React JS, HTML, CSS, Redux
* **Back-End Technologies**: Spring Boot, Spring Framework, Node.js, RESTful APIs
* **Cloud Platforms**:
	+ AWS: EC2, S3, CloudFront, API Gateway, Lambda, RDS, Postgres, CloudFormation, Terraform, Kubernetes
	+ Azure: App Services, Functions, SQL Database, AKS, Blob Storage
* **Databases**: SQL, Postgres, SQLite
* **Frameworks & Tools**: MVC Frameworks, Maven, Docker, JUnit, Jasmine, KARMA, Cypress, GitLab, Jenkins
* **DevOps & Practices**: CI/CD, DevSecOps, Microservices, Agile/Scrum

# WORK EXPERIENCE

## Derex Technologies Harrison, NJ, USA

*Software Engineer Sep 2023 – Present*

* Engineered end-to-end web applications using Angular and Spring Boot, integrating front-end frameworks with back-end services via RESTful APIs.
* Deployed cloud-native solutions on AWS EC2, S3, and RDS, utilizing Docker and Kubernetes for containerized microservices.
* Developed and optimized SQL and Postgres queries for large data-centric applications, supporting real-time and batch processing workflows.
* Built a component-based Single-Page Application (SPA) with Angular and TypeScript, tested with Jasmine and KARMA for 95% code coverage.
* Leveraged Spring Framework to design robust back-end services, enhancing scalability and maintainability.
* Automated deployments using GitLab CI/CD pipelines and Terraform, reducing release cycles by 30%.
* Collaborated in an Agile/Scrum environment, analyzing and debugging production issues to ensure system reliability.

**Environment:** Angular, Spring Boot, RESTful APIs, AWS (EC2, S3, RDS), Docker, Kubernetes, SQL, Postgres, Jasmine, KARMA, GitLab CI/CD, Terraform, Agile/Scrum.

## GEP Newark, NJ, USA

*Software Engineer July 2022 - Dec 2022*

* Engineered full stack applications with Java, React JS, and Node.js, incorporating AWS Lambda and Azure Functions for serverless computing.
* Implemented MVC architectures with Spring Boot, enhancing application modularity and performance.
* Deployed content delivery systems on AWS CloudFront, S3, and Azure Blob Storage, ensuring efficiency and security.
* Implemented Python-based data validation scripts to ensure seamless front-end data rendering, improving accuracy by 20%.
* Provisioned cloud infrastructure using CloudFormation and Terraform across AWS and Azure platforms.
* Conducted testing with JUnit and Cypress, maintaining high code quality standards.
* Participated in Agile sprints, debugging production issues to meet project deadlines.

**Environment:** Java, React JS, Node.js, Spring Boot, AWS Lambda, Azure Functions, CloudFront, S3, Azure Blob Storage, CloudFormation, Terraform, JUnit, Cypress, Agile/Scrum.

## Fluent Grid Visakhapatnam, India

*Software Engineer Feb 2021 - Dec 2021*

* Developed a user-centric mobile application using Angular, JavaScript, Node.JS HTML, and CSS, driving customer satisfaction through intuitive account and payment features.
* Optimized front-end performance with advanced data caching techniques and lazy loading, reducing load times and storage utilization by 25%.
* Implemented responsive design principles to ensure seamless user experiences across devices, from desktops to mobile phones.
* Led front-end accessibility audits and implemented improvements, ensuring compliance with international accessibility standards.
* Enhanced application robustness by integrating Node.js back-end services, improving user experience ratings by 15%.
* Worked with SQLite databases to manage local data, ensuring consistency and reliability in the application’s back-end layer.

**Environment:** Angular, JavaScript, Node.js, HTML, CSS, SQLite, Responsive Design, Accessibility Standards, Performance Optimization.

## KVS Infotech Visakhapatnam, India

*Junior Software Engineer Jan 2019 - Dec 2020*

* Engineered a vehicle tracking Android app with JavaScript, HTML, and CSS, adhering to MVC patterns for scalable front-end architecture.
* Developed custom UI components and animations using JavaScript and CSS, enhancing app interactivity and user retention by 10%.
* Built scalable back-end services with Spring Framework and managed local data with SQLite.
* Supported deployment processes using Maven, contributing to streamlined releases.
* Debugged production issues, ensuring application stability and performance.
* Optimized front-end performance by minimizing HTTP requests and leveraging browser caching, improving load times by 20%.
* Conducted unit and integration testing for front-end modules using Jest, ensuring high code quality and reliability.
* Implemented Node.js-powered back-end features for a quiz application, showcasing full-stack versatility in front-end and API integration.
* Integrated third-party APIs for real-time location tracking, ensuring accurate data visualization on the front-end.
* Assisted in deploying applications to the Google Play Store, managing the release cycle and achieving 90,000+ downloads with a 4.5-star rating.

**Environment:** JavaScript, HTML, CSS, Spring Framework, SQLite, Jest, Node.js, Third-party API Integration, Google Play Store Deployment, MVC Patterns.

# PROJECT & OUTSIDE EXPERIENCE

* [Baby Doll](https://babydollproject.blogspot.com/2018/03/link-to-project-httpsdrive.html) (Offline Voice Assistant)- Engineered a voice assistant using Clean Architecture, demonstrating adherence to solid software engineering principles. Developed using C# and .net.
* Banking Loan App (Android) - Independently developed a banking loan application for Android, integrating seamless SQLite data management and utilizing the MVC architectural pattern for efficient process handling. The app included tools for precise loan calculations, reflecting a deep understanding of user financial interactions and requirements.
* Synthea Data Analysis Project: Led the Synthea Data Analysis Project using Azure Databricks, translating complex business requirements into technical specifications to derive actionable healthcare insights.
* [Extraction of Data](https://github.com/RamNikhilRN/Extraction-of-tweets) from Offline (WhatsApp) and Online (Twitter) Sources: Conducted in-depth sentiment and frequency analysis on social media data, extracting and parsing JSON data to derive user behavior insights.

# CERTIFICATION

* Certified in JAVA by the NATIONAL INSTITUTE OF INFORMATION TECHNOLOGY.
* Certified in Building Scalable Java Microservices with Spring Boot and Spring Cloud.

# EDUCATION

## New Jersey Institute of Technology Newark, NJ, USA

*Masters, Data Science May 2023*