

**Nicholas Romano**  
**US Citizen | Full Stack Developer**

Raleigh, NC | nicholasromano238@gmail.com | 229-638-8006

**PROFESSIONAL SUMMARY**

- Full Stack Developer with **12+ Years** of experience proficient in Java, Spring Boot, React.js, and microservices architecture, delivering scalable and high-performance applications.
- Skilled in building RESTful APIs and integrating Kafka for efficient, real-time data streaming between microservices.
- Expertise in containerization with Docker and orchestration using Kubernetes, deployed on AWS and GCP for seamless scalability.
- Proficient in designing and developing responsive front-end interfaces with React.js, Angular, and TypeScript, focused on creating engaging user experiences.
- Strong background in Node.js and Express.js for efficient server-side logic, optimizing application performance.
- Adept at automating CI/CD processes with Jenkins, ensuring smooth and reliable software delivery pipelines.
- Familiar with using Maven for dependency management and build process optimization, ensuring efficient project development.
- Strong web design & graphic design skills, crafting intuitive and appealing interfaces using HTML5, CSS3, JavaScript, Bootstrap, Angular and React.js.
- Experienced in optimizing cloud infrastructure with AWS and GCP, implementing scalable and cost-effective solutions.
- Collaborated closely with UI/UX teams to ensure design alignment and deliver user-friendly, aesthetically pleasing applications that enhance user satisfaction.
- Effective collaborator with a track record of working alongside cross-functional teams to deliver high-quality, innovative software solutions.

**TECHNICAL SKILLS**

<b>Frontend</b>	React, Redux, Context API, Angular, Typescript, Git, Jest, Bootstrap, SASS, HTML5, CSS3, JavaScript, jQuery.
<b>Backend</b>	Java, Spring Boot, Microservices, OOP, NodeJS, ASP.NET, Node Package Manager (NPM), JSON, ExpressJS, Sequelize, NoSQL, MongoDB, Mongoose, Express-Handlebars, PHP, MySQL, REST API.
<b>Design</b>	Adobe Illustrator, Photoshop, Dreamweaver, Figma.

**EDUCATION & CERTIFICATIONS**

- ❖ Bachelors from James Madison University, Harrisonburg, VA USA.
- ❖ Full-Stack Development Bootcamp Certified.
- ❖ Advanced HTML5 & CSS3 Specialist Certified.
- ❖ Web Design and Development Certified.

**WORK EXPERIENCE**

**Responsibilities:**

- Participated actively in Scrum ceremonies, including daily stand-ups, sprint planning, and retrospectives, fostering agile development practices.
- Collaborated with cross-functional teams to define project requirements, plan sprints, and break down tasks, ensuring alignment with business goals.
- Designed scalable and efficient microservices architecture for POS (Point of Sale) functionalities, enabling seamless integration and scalability.
- Designed and implemented robust data processing pipelines using Hadoop for efficient handling of large-scale hotel booking and reservation datasets, while integrating with BigQuery for advanced querying and analytics to enhance user experience and streamline online payment operations.
- Developed dynamic, responsive, and user-friendly interfaces for the booking and reservations platform using Angular and JavaScript, following UI/UX best practices.
- Developed stored procedures and triggers in SQL to automate business logic processes, ensuring data consistency and integrity across systems.
- Developed and maintained server-side logic and APIs using Node.js, ensuring high performance and responsiveness in a microservices architecture.
- Architected secure payment processing systems, incorporating data validation and encryption techniques to safeguard customer data.
- Implemented RESTful APIs using Spring Boot, adhering to best practices in API design and ensuring high performance and maintainability.
- Implemented database schemas and tables in SQL, optimizing data structures to support application requirements and improve query performance.
- Utilized Java 11, Spring Boot, and Angular to develop and maintain customer-facing applications for booking, reservations, and payments.
- Managed data persistence and retrieval using Hibernate ORM and Spring Data JPA, optimizing queries to enhance database performance.
- Developed custom reporting and data export functionalities with Apache POI, empowering users to analyze booking and payment data effectively.
- Enhanced POS integrations to streamline in-person booking and payment processes at hotel facilities, ensuring a seamless experience.
- Created automated unit and integration tests using JUnit 5.9.2, Mockito Core 3.11.2, and PowerMockito 2.0.9 to ensure code quality and application reliability.
- Conducted API testing with Postman to verify functionality, reliability, and security of backend services, ensuring high-quality software.
- Performed code quality checks with SonarQube, ensuring adherence to coding standards and minimizing potential vulnerabilities.
- Configured and managed Gradle build scripts for efficient project build and dependency management, optimizing the development workflow.
- Integrated third-party services and databases with Node.js to enhance functionality, optimize business processes, and ensure seamless data flow between systems.
- Utilized Git for version control, facilitating collaborative development and efficient code management in a team environment.
- Utilized asynchronous programming in Node.js to handle non-blocking I/O operations, improving application speed and user experience.

- Deployed and managed cloud infrastructure using AWS EC2 and S3, ensuring scalable and secure hosting of applications.
- Deployed and managed containerized applications using Kubernetes, automating the scaling and orchestration of microservices for efficient resource utilization.
- Collaborated with DevOps teams to set up CI/CD pipelines, automating builds, tests, and deployments, and ensuring a smooth delivery process.
- Monitored application performance and logged analytics using Splunk, enabling proactive identification and resolution of system issues.
- Analyzed and optimized booking workflows to reduce load times, improve efficiency, and enhance the user experience across devices.
- Managed and optimized database operations using DB2, implementing efficient data models and tuning queries for performance.
- Provided on-call support for critical application issues, utilizing Splunk and AWS monitoring tools to ensure quick and effective incident resolution.

**Client: American Family Insurance, Madison, WI**

**Jan 2021 to Feb 2023**

**Title: Full Stack Java Developer**

**Responsibilities:**

- Collaborated with cross-functional teams to define and analyze requirements for insurance, online payments, and claims functionalities, ensuring alignment with business goals and customer needs.
- Collaborated with frontend developers to design and implement RESTful APIs in Node.js, ensuring a smooth data exchange between the server and client-side applications.
- Worked in an Agile environment, participating in daily stand-ups, sprint planning, and code reviews to ensure efficient and timely delivery of features.
- Designed and implemented microservices architecture to support distributed systems and improve scalability, maintainability, and system reliability.
- Applied SOA principles to ensure flexible and scalable integration of various services, enhancing the overall system's adaptability and future-proofing the architecture.
- Developed and maintained insurance, online payments, and claims applications using Java 8/11, J2EE, Spring Boot, and Angular, focusing on performance and scalability.
- Built RESTful web services with Spring Boot to handle data processing and integrate seamlessly with other systems, adhering to secure coding practices.
- Managed asynchronous messaging systems using Kafka and JMS to enable reliable communication and data exchange between microservices.
- Integrated AWS Lambda functions to manage serverless operations, improving resource utilization and reducing infrastructure costs.
- Utilized Hibernate frameworks for efficient data access and management, optimizing database interactions and reducing latency.
- Developed AJAX-based features to enhance the user experience, ensuring responsive and dynamic web pages that update efficiently without full reloads.
- Created and optimized database queries using SQL, Oracle 10g/11g, and Snowflake to manage policy data, claims, and other critical insurance information.
- Leveraged BigQuery to analyze transaction and claims data in real time, improving the efficiency of online payment processing and enabling proactive monitoring of claim statuses, leading to enhanced customer satisfaction and faster issue resolution.

- Managed deployments on WebSphere and configured application servers on Windows and UNIX platforms, facilitating reliable application delivery and operations.
- Integrated continuous delivery (CD) pipelines with Kubernetes to automate the deployment processes, ensuring seamless application updates.
- Conducted load and stress testing using JMeter to assess and optimize application performance under heavy traffic conditions.
- Performed automated testing with JUnit, ensuring code robustness and maintaining high quality across the application.
- Monitored and troubleshooted application performance using Splunk and Elastic Search, proactively resolving issues to ensure a seamless and reliable user experience.

**Client: Harris Teeter, Charlotte, NC**  
**Title: Senior Backend Java Developer**

**Jan 2019 to Dec 2020**

**Responsibilities:**

- Collaborated with cross-functional teams to gather and analyze requirements for developing online shopping, store locator, grocery pickup and delivery, and prescription filling features.
- Worked within an Agile development environment, participating in daily stand-ups, sprint planning, and retrospectives to ensure efficient project execution.
- Architected and designed microservices for core functionalities, ensuring scalability, maintainability, and fault tolerance across all services.
- Utilized Spring Boot to structure and develop microservices, implementing efficient and modular components for the SDLC application.
- Developed backend services using Java 8, J2EE, and Spring Boot, handling critical features such as user authentication, order processing, and prescription management.
- Built and managed RESTful APIs to support the React frontend, ensuring seamless data exchange and high performance.
- Implemented real-time data processing with Kafka, enhancing the responsiveness of the application for grocery pickup and delivery notifications.
- Managed data storage and caching using Couchbase, optimizing data retrieval for high demand features like store locator and order history.
- Developed unit tests with JUnit to maintain high code quality and ensure the reliability of critical application components.
- Created scalable backend applications using Node.js, optimizing for both high concurrency and low latency, to handle large volumes of requests.
- Designed and optimized SQL queries to efficiently handle large datasets related to product inventory, user orders, and store information.
- Worked in a UNIX environment, managing server configurations and automating deployment scripts to streamline development workflows.
- Configured CI/CD pipelines to automate the build, testing, and deployment processes, ensuring rapid and reliable software delivery.
- Worked on containerization of Java applications using Docker and orchestrated them with Kubernetes to enable easy scaling and management across development and production environments.
- Deployed microservices on AWS, leveraging services such as AWS Lambda and AWS RDS to scale the application and manage infrastructure efficiently.

- Monitored and optimized application performance, implementing caching mechanisms and tuning database queries to reduce latency and enhance user experience.
- Troubleshoot and resolved production issues, using log analysis and monitoring tools to ensure minimal downtime and high availability of critical services.

**Client: WellCare Health, Tampa, FL**  
**Title: Senior Java Developer**

**Jul 2017 to Dec 2018**

**Responsibilities:**

- Collaborated with stakeholders and cross-functional teams to gather and analyze requirements for healthcare-related applications, ensuring a clear understanding of business needs.
- Participated in Agile ceremonies, such as daily stand-ups, sprint planning, and retrospectives, to ensure continuous improvement and effective project management.
- Architected and designed microservices using Spring Boot, ensuring scalability, maintainability, and efficient communication across distributed services.
- Utilized Google Cloud Platform (GCP) to design cloud-native solutions, leveraging GCP services to enhance application reliability and performance.
- Developed backend services using Java and Spring Boot to handle core healthcare functionalities, including patient records, claims processing, and user authentication.
- Implemented frontend components with React, JavaScript, HTML, and CSS to create user-friendly interfaces for healthcare applications.
- Built real-time data streaming and processing solutions using Kafka, improving the responsiveness of applications for notifications and alerts.
- Developed and managed RESTful APIs to support seamless integration between the backend microservices and the React frontend.
- Utilized Node.js for building server-side logic and developing microservices to support healthcare-specific requirements.
- Worked with database management systems such as MySQL and PostgreSQL, ensuring secure and efficient data storage and retrieval.
- Created unit and integration tests using Java testing frameworks to ensure the quality and reliability of the codebase.
- Performed code reviews and collaborated with team members to maintain coding standards and ensure the delivery of high-quality, maintainable code.
- Deployed and managed microservices on GCP, using tools and services such as Google Kubernetes Engine (GKE) and Cloud Storage to maintain scalable and secure infrastructure.
- Configured CI/CD pipelines to automate the build, testing, and deployment processes, facilitating efficient and reliable software delivery.
- Monitored application performance and resolved production issues using GCP monitoring tools and log analysis to ensure minimal downtime and optimal user experience.
- Optimized backend and frontend code for performance, implementing caching and load-balancing techniques to enhance application speed and scalability.

**Client: Allegiance Bank, Houston, TX**  
**Title: Java Application Developer**

**Apr 2016 to Jun 2017**

**Responsibilities:**

- Collaborated with cross-functional teams to gather and analyze requirements for the financial application, ensuring alignment with business needs and banking regulations.
- Designed and developed microservices architecture using Spring Boot, enabling scalability and modularity for core banking functions like account management and transaction processing.
- Created RESTful APIs to facilitate secure and efficient communication between the backend microservices and the frontend React application.
- Developed financial application components using Java, Spring Boot, React, JavaScript, HTML, and CSS, ensuring a seamless, user-friendly experience for both customers and banking staff.
- Implemented messaging and event-driven solutions with Kafka to ensure real-time data processing for banking operations such as transaction alerts and account updates.
- Utilized Hibernate for ORM, optimizing data access and ensuring efficient database interactions for transactional data storage.
- Deployed and managed microservices on AWS, utilizing AWS services to ensure secure, scalable, and reliable cloud infrastructure for the financial application.
- Created and maintained Kubernetes clusters in cloud environments, ensuring high availability, scalability, and load balancing for Java-based applications.
- Created and executed unit tests for backend services using JUnit, ensuring the robustness and reliability of core banking features.
- Optimized application performance through caching, query optimization, and load balancing, ensuring the financial application could handle high-traffic scenarios efficiently.
- Ensured data security and regulatory compliance, implementing encryption, secure authentication, and other best practices to protect sensitive financial data.

**Client: Pragmatics Inc, Arlington, VA**  
**Title: Applications Programmer / Analyst**

**Jul 2015 to Mar 2016**

**Responsibilities:**

- Obtained a Public Trust Security Clearance, ensuring compliance with federal security protocols for sensitive projects.
- Developed responsive, mobile-compatible user interfaces for the FDIC's Bank Data Systems Institution Directory search application, utilizing HTML5, CSS3, SASS, Bootstrap, jQuery, and JavaScript to display nationwide bank data.
- Enhanced the user interface of the FDIC's Receivership Oversight Management System (ROMS) by improving responsiveness and functionality using BackboneJS and jQuery.
- Tested and optimized SQL queries in Oracle and MS SQL databases to ensure accurate data mapping and charting for Receivership reports.
- Utilized Git for version control, programming and committing code changes within Visual Studio to maintain an organized and efficient development workflow.
- Collaborated with cross-functional teams to implement and improve various web-based systems for the Federal Deposit Insurance Corporation, ensuring high-quality deliverables within project timelines.

**Client: Association of American Medical Colleges (AAMC), Washington, DC**  
**Title: UI/UX Designer**

**Sep 2012 to Jun 2015**

**Responsibilities:**

- Designed and developed user-friendly, responsive interfaces for multiple web applications, ensuring an intuitive and seamless user experience across devices using HTML5, CSS3, Bootstrap, JavaScript, and jQuery.

- Created a responsive, mobile-compatible user interface design for a financial disclosure application for institutions and organizations nationwide, enhancing accessibility and usability for users.
- Collaborated with cross-functional teams to gather requirements and implement design solutions, ensuring alignment with the organization's goals and user needs.
- Conducted usability testing and gathered user feedback, iterating on designs to improve the overall experience and ensure high user satisfaction.
- Created interactive wireframes and prototypes using design tools like Adobe XD and Sketch, providing clear visual communication of design concepts and functionality to stakeholders.