

Summary:

A purposeful Senior Software Engineer with experience in designing and implementing cloud-native platforms, automation, and system integration. Proven history in leading projects and cross-functional teams to deliver large-scale, high-impact solutions. Expertise in C#, Kubernetes, Docker, Kafka, and Spring Boot, with a focus on optimizing code quality, system security, and process efficiency in challenging environments. Certified Agile Practitioner with strong leadership skills and a commitment to driving organizational success through innovation and collaboration.

Technical Skills:

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| • Programming Languages: | Java, JavaScript, C#, SQL, Kotlin, MSSQL |
| • Frameworks and Tools: | React, Vue.js, AngularJS, Ext JS, Spring Boot, Spring Batch, .NET |
| • CI / CD: | Jenkins, Kubernetes, Docker, Azure DevOps |
| • Data Streaming and Messaging: | Kafka, RabbitMQ, MQTT protocol |
| • Monitoring and Logging: | Splunk, Prometheus, Grafana |
| • Version Control: | Git, Team Foundation Version Control (TFVC) |
| • Testing: | Selenium, Appium, Postman, Junit, Nunit, Jasmine, Xunit |
| • Cloud and Infrastructure: | AWS, Azure, GCP |
| • Other Technologies: | JWT (JSON Web Tokens), Web Things Gateway, IdentityServer3 |

Professional Experience:

North Carolina Secretary of State Senior Software Engineer

Oct 2024 – Present

- Led the implementation of the eNotary project referenced in [NCAC Title 18, Chapter 07](#), leveraging .NET8 and ASP.NET to develop a robust platform for remote electronic notarization.
- Improved code quality and reliability by integrating automated unit testing into the Azure DevOps CI pipeline, ensuring consistent validation during every build process.

Walmart, Sunnyvale, California (Remote) Software Engineer III

Apr 2022 - Aug 2024

- Led a cross-functional team in developing a microservice for ETL using SFTP, Spring Boot, Kafka, and Java 17.
- Implemented webhook system to provide third parties with real-time updates on membership status changes with Cosmo DB, Kafka, Java, and Spring Boot.
- Designed REST API that allowed third-party applications to retrieve membership status with Java, Spring Boot, and Cosmo DB.
- Enhanced the end-to-end testing process by 50% using a Selenium IDE test suite, saving one hundred hours quarterly.
- Designed and implemented a REST API for membership status retrieval with Java, Spring Boot, and Cosmo DB, used by third-party applications.

Farragut System, Durham, North Carolina Software Engineer

Jan 2021 - Apr 2022

- Enhanced application performance by 10% by migrating a core Angular component to React, resulting in a more efficient and responsive user experience.
- Improved code quality standards by integrating continuous integration (CI) build status checks as a prerequisite for merging pull requests, reducing defects in production.
- Automated real-time build status notifications by configuring Jenkins to send updates directly to Microsoft Teams, ensuring seamless communication within the team without manual refreshes.
- Developed and deployed cloud-based solutions using AWS services, including Cloud9, CloudFormation, CloudWatch, Lambda, S3, and EC2.

CentralSquare, Wilmington, North Carolina Software Engineer

May 2018 - Jan 2021

- Integrated third-party applications into Inform RMS, improving system extensibility and security.
- Built CI/CD pipelines and automated deployments, reducing manual effort by 80% and increasing code quality.
- Developed Rest API endpoint using .NET MVC and microservices.
- Improved system security by implementing JWT authentication and central identity management.

Elster Honeywell, Raleigh, North Carolina CO-OP Software Developer

Jan 2016 - May 2018

- Developed features for Connexo NetSense using Java, JavaScript, ExtJS, and SQL.
- Spearheaded the integration of Fortify SCA scanning into Jenkins, reducing security vulnerabilities.
- Reduced deployment time by 50% by optimizing batch scripts.
- Designed Restful API in Java using OOP principles, MVC, and DAO design patterns.

Education:

B.S., Computer Science, North Carolina State University, Raleigh, North Carolina, 2017.

Certifications:

PMI Agile Certified Practitioner (PMI-ACP)®, valid till 2027.