

Nicolas Hernandez

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Highlights

- Learned full-stack Web application software engineering, in a career path change from a formal education in mechanical engineering.
- Developed enterprise-level Web application services from the ground up.

Professional Software Experience

Truist Bank (through Infosys), Software Engineer & Developer – Began February 2021

Engineer enterprise software applications from scratch.

- Programmed primary functionality for several Java Spring services.
- Collaborated in a large development team to deliver on changing requirements.
- Composed several technologies to meet project delivery needs.
- Used Agile development practices & extensive work order tracking to help meet deadlines.
- Learned & used secondary technologies to facilitate application development & interfacing, including Angular front-end Web framework, SQL dialects, and CI/CD through RedHat OpenShift.
- Provided application design counsel at the request of leadership, as I became a primary subject matter expert for areas of our overarching application.
- Self-directed work when features weren't ready for development, such as by providing optimizations, code review support, self-directed research to facilitate future work, and issue callouts & fixes.
- **Skills & knowledge areas:**
 - Java with Spring Boot/Maven, SQL, HQL, JPQL, GitLab, service-oriented architectures, SAST scans, REST APIs, CI/CD, Docker, Kubernetes, RedHat OpenShift, JUnit, Angular
 - *Tools:* Spring Tool Suite, IntelliJ, Git UI, Git CLI, Postman, MS SQL Server Management Studio
 - *Workflow:* Agile software development, Rally by Broadcom, SonarQube, Veracode

Revature Full Stack Software Engineer – September 2020 - January 2021

Create full-stack Web development projects to learn & demonstrate enterprise-level skill in a lightning-fast environment for learning & using modern end-to-end Web development technologies.

- Created applications both individually and in teams of varying sizes.
- Applied self-directed learning of various technologies to meet project requirements effectively.
- Provisioned cloud infrastructure through Amazon Web Services.
- Made CI/CD pipelines using Jenkins and Git hooks.
- Composed technology stacks with varying levels of abstraction, including back ends using Spring MVC, Hibernate ORM, and plain JDBC, with front ends composed using React TypeScript with Redux, React JS with Reactstrap, and plain HTML/CSS/JavaScript.
- Led part of a large-team project as our front-end lead.
- **Skills & knowledge areas:**
 - *Java:* Java 8 & Java 17 core, Maven, REST API, Servlets, JSPs, JUnit Test Automation
 - *Database technologies:* Hibernate XML-based & JPA-based ORM, Spring ORM, core SQL, JDBC, PL/pgSQL, PostgreSQL
 - *Infrastructure & deployment:* Amazon Web Services (RDS, EC2, S3, Cognito, IAM, Route 53, CloudFront), Git, Apache Tomcat, Jenkins CI/CD
 - *Front end:* HTML, CSS, JavaScript, Bootstrap, AJAX, React, Redux, TypeScript, Axios, SCSS, Reactstrap, Jest front-end testing
 - *Supporting tech:* Spring MVC, Spring ORM, Hibernate ORM, Log4J, Spring Data, Swagger UI
 - *Supporting skills:* Agile-Scrum, Web design, effective leadership & cross-team communication

Education

B.S. Mechanical Engineering (Georgia Institute of Technology, Atlanta, GA) May 2017

A.S. Physics (Dalton State College, Dalton, GA) May 2014

Previous Work (Non-software-related)

Gestamp Chattanooga I - Quality Engineer December 2018 – February 2020

Kobayashi American Manufacturing - Production Engineering Technician October 2017 – December 2018