

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 Boot** 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**, 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 Data**, **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