Garett Janulewicz

Software Engineer | Engineering Degree | Problem-Solver

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[LinkedIn](#) | [Portfolio](#) | [Github](#)

TECHNICAL SKILLS

Languages: Python, Java, JavaScript(ES6, Node.js), SQL | **Frameworks:** Flask, Spring Boot, Express | **Libraries:** React, Socket.io | **Databases:** MySQL, MongoDB, Mongoose | **Tools:** MySQL Workbench, Git, PostMan, AWS(EC2), Spring Tool Suite.

EXPERIENCE BUILDING END-TO-END APPLICATIONS (2020 - 2023)

Software Engineer | **TrixEx**   **[Live Site](#) | [Github Demo](#)**

Developed this application end-to-end with the Python/Flask stack and deployed on AWS. This application is a community collaboration platform that facilitates the storing, sharing, and visualization of front-end code.

- Employed the Flask framework for the development of HTTP route handling, object-relational mapping, OOP, session management, AJAX request, JSON response, user-role-based authorization, and user authentication.
- Optimized deployment on AWS(EC2) for rapid spin-up time & cost-effective deployment.
- Adhered to the MVC design pattern, for a well-structured separation of concerns through modularization.
- Developed robust many-to-many relationships for complex social platform interactions, utilizing advanced MySQL database design techniques and optimized SQL queries.

Software Engineer | **PhotoVote**   **[Live Site](#) | [Github Demo](#)**

Developed this application end-to-end with the JavaScript MERN stack and deployed on AWS. This application allows users to upload photos to be voted on by other users, helping them make decisions based on large group consensus.

- Implemented the MERN stack (MongoDB, Express, React, Node.js) enabling an event-driven (asynchronous) user experience.
- Incorporated Multer middleware to streamline multi-photo uploads with a single request, leveraging its compatibility with BSON.
- Utilized JSON Web Token (JWT) and authenticate middleware for user-role-based authorization and user authentication for best practice in a Node.js application.
- Executed Bcrypt password hashing and salting algorithm to ensure robust password security and protect user credentials.

Software Engineer | **Bug Quack**   **[Live Site](#) | [Github Demo](#)**

Developed this application end-to-end with the Java Spring Boot stack and deployed on AWS. This application is a project management system that is dedicated to team collaboration and facilitating workflow efficiency.

- Leveraged Java Spring Boot for rapid development, capitalizing on its streamlined setup and configuration.
- Implemented Spring Data Persistence API for object-relational mapping, simplifying interaction with MySQL relational database through standardized repository interfaces.
- Developed in Eclipse Spring Tool Suite IDE due to its comprehensive support for Spring-based development.

OTHER EXPERIENCE

Civil Engineer | **Akinaka & Associates Engineering Firm**   **Honolulu, HI 2021 - 2022**

- Drafted blueprints using computer-aided design (AutoCAD) for various engineering projects. Ensured that all drafts conformed to industry & organizational drafting standards, emphasizing accuracy & precision.
- Collaborated with other engineering firms on projects involving fluid dynamic infrastructures, and performed document revisions while adhering to city, state, and federal regulatory compliance.
- Conducted comprehensive scope of work inspections for civil municipal projects across the islands of Oahu & Hawai'i. Identified and documented deficiencies, and worked closely with contractors to resolve issues.

EDUCATION

Colorado Technical University | **Software Development Certification (2023)**

- Certification in Java Spring, MERN and Python Flask stacks

University of Hawai'i at Manoa | **Bachelor of Science in Civil Engineering *(*2022)**

- Awarded over 40 individual scholarships, totaling more than $100,000