

Albert Shane Paez

Full Stack Developer

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WORK EXPERIENCE

Full Stack Java Developer

Remote

Cognixia

January 2023 - Present

- Developed a full suite Spring Boot REST API, implementing Spring Security, Hibernate, JPA and Mockito Test Suite
- Invoked software design patterns DAO and DTO, JDBC, JPA and Hibernate for interfacing with data
- Frontend flexibility – developed front ends under both SPA(React) and Servlet / JSP architecture

EDUCATION

Cognixia's JUMP Program

January 2023 - April 2023

Certificate of Completion Full Stack Java Development

Relevant Skills: *Java/J2EE, Spring Boot, React, JavaScript, HTML, CSS, JSON, Git, MySQL, AWS, Eclipse, SPA (Single Page Applications), RESTful APIs,*

California State University Fullerton

Fullerton, CA

Bachelor of Science in Computer Science (3.47)

May 2022

Relevant Coursework: *Data Structures & Algorithms, Operating Systems, Object-Oriented Programming, Software Design*

Awards: *Dean's List Fall 2018, Spring 2018, Spring 2020*

PERSONAL PROJECTS

Furniture Hub

Remote

Full-stack ecommerce web application for buying furniture products online

May 2023

- Composed 8 different functional React components to handle efficient rendering of code within web application.
- Employed Redux to eliminate the need of passing props 2-3 times through the creation of 2 Redux reducers.
- Utilized Bootstrap and custom CSS to provide users with a friendly UI and improve application responsiveness by 50%
- Implemented JSON-Server to run custom JSON database and for the creation of 5 RESTFUL API endpoints to be consumed by the front-end application.
- Migrated JSON-server database to 3 tables within a Postgres database, Supabase to improve application scalability.

Boba Slice

Remote

Full stack application for a food ordering system that allows users to choose between boba or pizza

April 2023

- Spearheaded the development of a minimum viable product (MVP), a microservice architecture web application that maintains a set of 100 or more users through a decoupled backend service and frontend static site fully hosted on AWS.
- Established decoupled backend service using Java/J2EE, Spring Boot REST APIs, Spring Security, JWT token APIs authentication, password encryption, ORM tools like Hibernate & JPA, and unit tests with Mockito & Junit Test Suite.
- Led a team of 4 by following the Agile methodology and utilized Agile frameworks like Scrum for an easy view of tasks/goals with a Kanban board and standups for an efficient delegation of tasks.
- Architected AWS cloud architecture using the services VPC, RDS, EC2, and S3 to effectively deploy full stack application.

TV Show Progress Tracker

Remote

Java console application for tracking progress on shows

February 2023

- Designed 4 MySQL database tables for effective mapping of relationships between shows that are being watched by a user, their progress, their current episode, and their rating.
- Applied DAO/DTO and OO design patterns to 8 classes with JDBC, allowing data persistence outside the Java application.
- Bolstered application security by using input validations with try catch blocks and 2 custom exceptions.

SKILLS

Programming Languages: Java/J2EE, C++, JavaScript

Testing: Unit Testing, JUnit, Mockito

Databases: SQL, MySQL, MongoDB

Framework/Libraries: Spring, Spring Boot, React, Bootstrap

Cloud Services: AWS, EC2, RDS, VPC, S3, SNS

Web Technologies: HTML, CSS, JSON, XML

Version Control: Git, GitHub

Agile Methodologies/Tools: Scrum, Kanban, Sprints

Operating Systems: UNIX-based, Windows, Linux

IDEs: VSCode, Visual Studio, Eclipse

Other: Maven

Soft Skills: Adaptable, creative, curious, supportive

CERTIFICATIONS

AWS Cloud Practitioner

May 2023