

Charles Covar

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Objective

To use my years of experience in the software technology field, and skills developed as a small business owner, to help grow and lead developers, and drive value to customers.

Education

North Carolina State University
Graduated in December 2011 with a B.S. in Computer Science

Work Experience

Primerica

Lead Application Developer, April 2023 - Present

- Helped to develop and drive new features to release that assist Primerica reps in obtaining their life insurance licenses.
- Implemented translations and localization support.

Comic Grid

Chief Hat Wearer, April 2021 - April 2023

Started Comic Grid, a full stack cloud platform for managing Comic Book Stores. Allows shops to manage customers and their comic subscriptions, import order forms from distributors and create purchase orders, import and process invoices, manage gift cards, layaways, and perhaps most importantly, sales.

- Developed a node API server to manage API requests and interface with the database.
 - Uses koa.js for routing and middleware
 - Authentication with JWT tokens implemented in Passport.js
- Postgres DB server for hosting a shared global product catalog, alongside store specific data.
 - Migrated DB Schema over to Prisma. Allows for intellisense and type checking within Typescript code.
 - Cached with Redis
- iPad and Mac based native clients using SwiftUI.
 - Persistent storage using Core Data
 - Integration with Square Reader SDK for payments
- Web interface for signup and business management.

- o Built in Vue
- o Vuex for state management
- o Vue Router for client side routing
- o Integrates with Stripe API for subscription management and payment
- o Integrates with Square API for businesses to manage in store payments
- Took on intern for Spring semester.

Code Repositories available on request.

Salesforce

Senior Member of Technical Staff, January 2019 - April 2021

- Records Experience Team
 - o Helped build new features on Salesforce record pages, using full stack skills.

International Business Machines

Advisory Software Engineer, July 2018 - January 2019

Staff Software Engineer, July 2015 - July 2018

- Watson Digital Content Hub
 - o Helped determine technology to use for developing full stack micro services
 - o Developed build process for client side micro services using WebPack
 - o Built user management micro service
 - o Developed client side internationalization configuration
 - o Wrote help components that hooked into IBM's Knowledge Center API
 - o Helped develop Single Page Application in Angular for new Sites functionality
 - o Created Vue & React versions of the SPA mentioned above for release as samples

Software Engineer, December 2011 - July 2015

- Developed WebSphere Portal 8.0.0 Hypervisor Edition for IBM Workload Deployer and IBM PureApplication Systems
- Designed and implemented automation for building cloud images across multiple platforms
- Developed WebSphere Portal 8.5.0 Hypervisor Edition for IBM Workload Deployer and IBM PureApplication Systems
- Helped develop mobile demo application for Digital Experience using MobileFirst on iOS
- Created "Simple theme" for WebSphere Portal using CSS and JavaScript
- Built user management page for Digital Experience's Mobile Application Content Manager

Co-op, July 2009 - December 2011

- Helped to develop an OVA of WebSphere Portal 6.1.5 to run on WebSphere Cloudburst Appliance
- Developed full and trial OVAs of WebSphere Portal 7.0.0 running on RedHat for WebSphere Cloudburst Appliance and IBM Workload Deployer

United States Army Reserves

Private First Class, June 2005 - April 2011

- Provided Maintenance Checks and Services to Unit Vehicles
- Provided support for Unit Training Missions

Skills

Programming Languages

Swift, Javascript, Typescript, SQL, Awk, Java, Python, Bash

Operating Systems

MacOS, Unix, Linux, Windows

Other Relevant Software Skills

A11y, Angular, AngularJS, Core Data, Express, Flux, Git, Heroku, Jest, Koa.js, Nest.js, New Relic, Node.js, Passport.js, PostgreSQL, Prisma, React, Redis, Square, Stripe, Svelte, SwiftUI, Tailwind, Vitest, Vue.js, Web Components, Webpack

References

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