Albert "AJ" Snow

479-774-1828 | ajsnow2012@gmail.com | github.com/AlbertSnows | savyb.fly.dev | Chicago, IL

Technical Experience

Languages: Clojure, JavaScript, PHP, Java, C#, Rust, Python, C++

Tools/Frameworks/Libraries: Node.js, Express, MySQL, MongoDB, Docker, GCP, React, Kubernetes, Spring Boot, JUnit, H2, Git, PostgreSQL

Skills: SDLC, Software Architecture, Database Design, API/REST, CI/CD, MVC, Functional-Programming, Microservices, ETL, OOP, Testing, DevOps, Polygot, Agile, Self-Motivated

Work Experience

Back-End Engineer April 2022 - June 2023
Peerspace

- Led team initiative to implement a calendar sync feature resulting in 30% adoption and positive feedback via CX team
- Independently developed new feature sets in several Clojure and JS (Node.js + Express) microservice web applications
- Employed REST API and event-driven asynchronous communication protocols to streamline development process
- Eliminated downtime of versioned services via orchestration through CI/CD pipelines with Kubernetes and Docker
- Collaborated with team members and stakeholders to translate and scope features into technical design stories
- Initiated new company procedures to refine and increase development productivity (e.g. tests, dev configs)
- Supported new feature growth by seamlessly optimizing, refining, and standardizing schema designs
- Cut business expenses by leveraging advanced problem-solving techniques to identify and debug software faults

Software Engineer 2 June 2019 – March 2022
Paycom

- Initiated design of a new, widely adopted core feature on our team that allowed dynamic field customization
- Shipped software features in an enterprise, MVCS style framework leveraging OOP style architecture
- Adhered to software and procedural regulations (ISO 9001:2015, SOX, PII) while developing and storing sensitive data
- Enhanced software services by extending backend APIs, writing user-facing scripts, and building workflows
- Lowered client wait times by up to 100x by optimizing code, aggregating SQL queries, and optimizing ORMs
- Innovated data storage procedures by employing data modeling and design techniques to store DB schemas
- Saved on development costs by abstracting code design, for example by refactoring code from 1000 to 200 lines

SDET Internship June 2018 – December 2018
Xpanxion

- Collaborated to develop office projects in Java while undertaking a comprehensive Java course
- Mentored with company coworker automate C# testing frameworks
- Engaged in mentor-led team sprint meetings and discussed project objectives, focus, and implementation strategies

Education

Kansas State University *(2019)* *Bachelor of Science in Computer Science (3.7 GPA)*

Projects

Personal Website *(CLJS, Fulcro)* | *A website using ClojureScript and the Fulcro framework for personal use*
Spring Boot State Machine *(Java)* | *Exploratory projects in spring boot; I also implemented pattern matching*
Order State Machine *(C++)* | *Example CLI state machine to experiment with core ETL concepts in C++*
Hotshot *(CLJS)* | *Basic API to solve a fun math case; utilized Calva for Interactive Programming.*
Game Jam Unity Project *(C#)* | *Small game built by me in a weekend featuring lightbulb-themed puzzle platforming*
Thermal Modeling *(Python)* | *College concurrency project; helped Graduate student parallelize modeling code*
Utility Functions Library | *Repo for experimental code concepts meant to be transferable between languages*

Open Source Contributions

Calva | *Collaborated with the lead dev to squash a bug preventing windows users from quick-booting the plugin*
Fulcro | *Added a feature and documentation to the Fulcro template to build and deploy a production-ready uberjar*