

SHELBY SOLOMON

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Solutions Architect & Senior Engineer

Skills Summary

Established, innovative senior software engineer and solutions architect working in new technologies and bringing emerging ideas to market. From progressive, serverless architectures and modular designs, to innovations in computing concepts and solution approaches, I can bring new ideas and views to solving traditional problems in unconventional ways.

Modular Architecture

Serverless Design

Microservice-Based

Platforms

RESTful APIs

Blockchain

IoT

API Security

Team Leadership

Agile/Scrum

Full-Stack with Backend

Emphasis

Ruby on Rails

Python

Javascript

React

Angular 1

HTML/CSS

Heroku

IBM Cloud

AWS

Experience

Darwin Ecosystem

Director of Software Engineering | August 2017 - present

Startup technology innovation firm specializing in leading-edge business services.

While there, I oversaw an engineering team of five and designed several innovative concepts. Responsible for all backend code, APIs, and microservices. Created and built a new approach to secure user authentication without a need for traditional logins, involving multiple layers of hashing, encryption, and non-database tokens/secrets, effectively preventing any ability to breach access to authentication data. Designed a PaaS/IaaS system of modular subscription-based data science algorithms; allowing deep analytics on unstructured data to be available to a less-technical audience. Created a platform using IBM Watson which can successfully indicate anomalies around social groups and team members. Usable to help indicate potential life-threatening situations in schools, hire and retain new team members, and analyze political candidates over time and by stance on specific issues. Led team and developed a rapid-change and innovation approach to the traditional agile methodology, allowing for on-the-fly innovation changes without bottlenecks. Instituted a new Git flow for rapid QA, rapid deployments, and more stable releases.

Thinaër

Solution Engineer | April 2016 - August 2017

IoT PaaS company focused to tracking and analytics for healthcare, logistics, and manufacturing sectors.

Personally responsible for 50% of codebase, building the full stack from front-end surface applications to backend APIs, Ruby gems, and microservices. Created system to communicate with custom-protocol Bluetooth Low-Energy beacons and devices, track metadata, and alert team members to issues and potential issues.

Great Southern Bank

Computer Operator | February 2015 - April 2016

Large regional bank with over 150 branches.

Ran reports and created data backups nightly. Personally responsible for ensuring compliance through 15+ local branches, and transmitting nearly \$100 million nightly to partner banks and the Federal Reserve.

CongoBlu Creative Studio

Owner, Chief Consultant | May 2002 - December 2014

Professional A/V and stage design consultancy.

Owned and operated concert and live theater design firm, creating lighting and audio design, as well as custom special effects and video integrations.

City of Branson Police Department & Springfield/Greene County 911

Dispatcher, 911 Telecommunicator | August 2009 – August 2011

Municipal police department and county-wide multi-agency communications center for police, sheriff, and multiple fire departments.

Answer 911 emergency calls for service, dispatch calls to appropriate agencies, and handle life-and-death matters while remaining calm and making fast judgement calls.

About Me

I'm from small-town Missouri and loving living in Texas. Happily married for over nine years, have a dog and two cats. FCC licensed amateur radio operator, involved in multiple volunteer emergency support organizations, including ARES, RACES, and CERT in Collin and Dallas counties. Fully-trained Skywarn severe weather spotter for the National Weather Service. I love being able to donate my free time to worthy causes while serving my community in times of need.