ABBY RANSON

Software Engineer

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Full Stack Software Engineer with 8 years of experience specializing in cloud-native applications, microservices architecture, and modern web development frameworks. Proven track record in optimizing application performance and leading development teams.

TECHNICAL EXPERTISE

Frontend Development

UI/UX Development

JavaScript (ES5+), React/React Native, Angular, Material Design, etc.

Frontend Architecture

State Management, Component Design, Performance, etc.

Backend Development

API Development

Golang, Node.js, Ruby, Python, GraphQL, etc.

Database & Storage

PostgreSQL, MongoDB, DynamoDB, Redis, etc.

DevOps & Infrastructure

Cloud Services

AWS, Azure, GCP, Docker, Kubernetes, etc.

CI/CD & Automation

Jenkins, CircleCI, GitHub Actions, IaC, etc.

PROFESSIONAL EXPERIENCE

Sky Solutions LLC
Software Engineer (UCM)

September 2024 – Present

Stack: Java/Angular | Platform: AWS | Business Area: Government/Legal

- Orchestrated critical version upgrade initiative across three Angular versions, achieving zero downtime migration while maintaining 100% feature parity and system stability
- Engineered and implemented comprehensive local development environment, resulting in 40% improvement in developer productivity and deployment efficiency
- Instituted systematic collaboration framework with design team, successfully implementing enterprise-wide design system that enhanced UI consistency across multiple applications
- Revolutionized release management processes through implementation of automated CI/CD workflows, reducing deployment time by 60% and eliminating manual errors

TISTA Science & Technologies

Software Engineer (UCM)

February 2023 – September 2024

Stack: Java/Angular | Platform: AWS | Business Area: Government/Legal

- Engineered sophisticated solutions for complex frontend architectural challenges
- Architected and implemented modular AngularJS component library

Software Engineer (CTO Team)

January 2022 – February 2023

Stack: NodeJS+Go/React | Platform: AWS | Business Area: Company IDP

- Spearheaded development of enterprise-grade Integrated Development Platform (IDP)
- Engineered robust CLI tooling that streamlined developer workflows
- Designed and implemented comprehensive IoT device simulator and standardized Jenkins pipeline library

Software Engineer (Caseflow)

March 2020 – January 2022

Stack: React on Rails | Platform: AWS | Business Area: Government/Legal

- Engineered state management optimization resulting in 400% improvement in page load performance through sophisticated caching and lazy loading strategies
- Orchestrated complete testing framework migration to Jest, implementing 300+ comprehensive test cases that increased code coverage to 95%
- Pioneered implementation of automated accessibility testing, ensuring 100% compliance with Section 508 standards across all application features

NewWave Telecom & Technologies

Sr. Full Stack Developer

June 2019 – March 2020

Stack: NodeJS/React | Platform: Azure | Business Area: Government/Health

- Directed cross-functional team of 5 engineers in developing enterprise storage solution, delivering project 20% ahead of schedule
- Architected and implemented private NPM registry infrastructure, including comprehensive design system package that reduced UI development time by 40%
- Engineered scalable microservice transport utility for Azure Service Bus integration, processing over 1M messages daily with 99.99% reliability

Full Stack Developer

June 2018 – June 2019

Stack: Various | Platform: Various | Business Area: Various

- Led development team in creating innovative application scaffolding tool POC
- Designed and implemented enterprise-grade UI component library based on Material Design specifications
- Architected secure document sharing platform for CMS portal, implementing robust encryption and access controls for sensitive data management

The American Society for Engineering Education (ASEE)
Full Stack Developer

October 2016 – June 2018

Stack: Ruby on Rails | Platform: On-Premise | Business Area: Education

- Orchestrated end-to-end application development lifecycle, successfully delivering multiple critical features while maintaining 99.9% uptime
- Engineered and deployed modernized user interface for ASEE's primary website
- Optimized legacy Ruby codebase through strategic refactoring

The Community Partnership for the Prevention of Homelessness (TCP)
System Administrator

March 2014 – October 2016

- Developed sophisticated Excel automation solutions, reducing data analysis processing time by 75% and eliminating manual errors
- Administered and optimized DC's Homelessness Management Information System (HMIS), ensuring 99.9% system availability for 50+ partner organizations
- Engineered automated reporting system for HUD and CMS congressional reports, reducing report generation time by 60% while ensuring 100% accuracy

EDUCATION & CERTIFICATIONS

ABA, Germanna Community College (2009 – 2012)

Twilio Platform Certificate

Looker Certificate

NNG UX Certificate