Travis Carlson

Full Stack Developer

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Full Stack Java Developer at Goldblatt Systems, Tucson AZ

📅 October 2012 - October 2023

EHR Design and Maintenance

Significant contributions included designing a converter library for minimal transfer of data between client and server, implementing client-side routing for cross-modular compatibility, and optimizing the clinical documentation user experience by prioritizing and batching asynchronous service calls. Eventually became the go-to expert for Physician Portal infrastructure.

Technologies: Eclipse, Java GWT (GXT), JSNI, REST, JSON, Javascript, JQuery, CSS, Freemarker, Keycloak OAuth

ORM Specialist

ONC requirements necessitated a complete redesign of the Care Plans schema. This involved updated entity mappings, table design, and data conversion in rerunnable versioned deployments. These changes paved the way for ORM enhancements in other domains such as patient scheduling, questionnaire ingestion, and preferencing.

Technologies: Spring JPA (Hibernate ORM), SQL (Oracle) Queries/Views, DDL, Stored Procedures, Spring Security, Spring AOP, Dependency Injection

Force Multiplier

Cultivated a strong cross-disciplinary rapport with developers, DBAs, and QA to continuously improve product functionality and performance. Whenever critical customer issues arose, communicated directly with the implementation team to swiftly deploy hotfixes and patches. Consistently prioritized the productivity of all team members.

Technologies: JIRA (Confluence), UML, Balsalmiq, Microsoft Teams, JUnit, Log4j, Bash, Git, Maven, Jenkins, Tomcat

Previous Industry Experience

Android Developer at Yellow Brick Code, Tucson AZ
📅 June 2011 - February 2012
Prototyped Android application interfacing to customers' web sites

Intern at ScriptSave Corporation, Tucson, AZ
📅 May 2010 - July 2010
Overhauled an asset audit system using Microsoft Access, InfoPath, and Powershell

Coop Software Engineer at IBM, Tucson, AZ
📅 Summer 2005 and Fall 2007
Tape controller maintenance and software installation

Education

Bachelor of Science in Computer Science
Minor in Mathematics
➕ Computer Engineering coursework

University of Arizona, Tucson, AZ
📅 December 2008

Self Education

The Complete React Developer Course (w/ Hooks and Redux)
Udemy, In Progress
Complete C# Unity Developer 3D - Learn to Code Making Games
Udemy, 2018
Creative Programming for Digital Media & Mobile Apps
Coursera, 2013
Introduction to Databases
Stanford Class2Go, 2013