

# Daniel Russey

Backend Software Engineer

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## EXPERIENCE

### Visa, San Francisco, CA — Software Engineer

November 2015 - PRESENT

- Created backend PHP code utilizing MySQL and memcached to provide APIs and dynamic web pages to give users access to card-linked offers
- Worked with a variety of AWS technologies including EC2 instances, load balancers, S3 storage, and the Cloudfront CDN to support application code
- Ensured site reliability by monitoring alerts and addressing production issues with configuration and code changes
- Deployed application code to live production servers and ensured that code from group of 10 to 15 engineers was optimized to avoid server instability
- Developed backend APIs for the Visa Crypto team with the Spring Framework, particularly Spring Boot
- Utilized MySQL for persistence and Kafka to support event processing
- Researched and explored the functions of Ethereum smart contracts and work with Solidity to create proof of concept smart contracts for Visa
- Detected and remediated security vulnerabilities in backend logic as well as browser exploits in front end code
- Coordinated with global teams in Russia, India, Germany, England, & Singapore
- Developed application enhancements for a variety of Business groups: Accounting & Finance, Sales Operations, Customer Support, and the Analytics team

### Talo Enterprises, Fort Worth, TX — Operating Officer

December 2013 - November 2015

- Launched reorganization of entire company operations
- Assisted acquisition of online store and adoption of online store software
- Initiated innovative ideas and activities in support of the business on an evolving basis.
- Prepared a budget, managed effectively within this budget, and reported accurately on progress made and challenges encountered

## CODING LANGUAGES

Java  
PHP  
Smalltalk  
C / C++  
Shell scripting  
Javascript

## DATABASES

MySQL  
Oracle Database

## TOOLS

Git  
Subversion  
Docker  
IntelliJ & PHPStorm IDEs  
Eclipse IDE  
Postman

## MISCELLANEOUS

HTML  
CSS  
Spring Framework  
Ethereum Smart Contracts  
Memcached  
Checkmarx CxSAST

## AWS TECHNOLOGIES

EC2  
Autoscaling Groups  
S3  
Cloudfront CDN  
Snapshots & Backups

## INDUSTRY EXPERIENCE

Technology  
Finance  
Manufacturing  
Aerospace  
Commercial Goods

## BUSINESS TOOLS

Office 365  
GSuite  
Salesforce

## **Northrop Grumman, Irving, TX — *Software Engineer***

June 2010 - December 2013

- Created Smalltalk code for maintenance and enhancement on an application for manufacturing Instructions
- Utilized Oracle PL/SQL to develop scheduled stored procedures to do routine data processing jobs and to import data from external systems
- Traveled to various manufacturing sites to ensure that data was imported from legacy systems correctly with minimal downtime
- Authored PL/SQL stored procedures that migrated data from legacy systems into the newer manufacturing application
- Created an in house PHP application for database change tracking

## **EDUCATION**

### **University of Texas at Arlington — *Computer Science***

August 2005 - July 2009