

tashi.daniels@gmail.com

Tashi Daniels

Programmer

960 Milo Circle #B
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SKILLS

*Fluent in Java,
JavaScript, and Python;
significant experience in
many other languages*

Java Ecosystem

JEE/J2EE
Maven & Gradle
Spring
Hibernate, MyBatis
Jenkins
Java MQ
Kafka

JS & Web Ecosystem

ES6 & TypeScript,
Node, React,
Electron, jQuery, ...

HTML, CSS, JSON,
XML/XSLT,
Web Services
(REST & SOAP)

Databases

Relational
Oracle, MySQL, Postgres
Non-relational
MongoDB, Cassandra

Containerization & Cloud Technologies

AWS, Docker, Docker
Swarm and Kubernetes

Version Control

git, Perforce, svn, rcs

Experienced software developer focused on writing cohesively-designed, readable, testable code. Tenacious hunter of bugs and performance bottlenecks. Lover of refactoring and tool building.

Development Experience

Charter Communications, Settings Team

Broomfield, CO/Greenwood Village, CO
2017 - 2019

On small, agile team responsible for storing all cable settings and playlists for millions of customers and making them accessible through a REST API required to handle thousands of requests per second, with response times well under a second and no downtime allowed.

- Helped maintain and refactor large legacy codebase, splitting it into microservices to run in Docker containers to deploy to Kubernetes clusters in our corporate datacenters and to AWS.
- Wrote code to upgrade database interface layer from iBatis to MyBatis
- Built system to enable no-downtime transition of backend database from Oracle to MongoDB
- Created services to (among others):
 - consume and translate MQ message
 - send Kafka messages to downstream services
- Wrote ad hoc Oracle and Splunk queries and log analytics scripts to troubleshoot bugs and look for ways to improve performance

CU Boulder, Office of Information Technology

Boulder, CO
2011 - 2016

- Wrote web applications in Java, PeopleCode, XSL and JavaScript. Responsible for full lifecycle from requirements gathering to specifications, writing code, test plans and automated tests, and coordinating user acceptance testing and deployment
- Wrote a variety of web services and web service clients (SOAP and REST)

- Rewrote and managed a core piece of middleware to mitigate performance limitations of PeopleSoft system
- Wrote and tuned complex queries for data extraction
- Assisted with troubleshooting and configuration of portal infrastructure, such as PeopleSoft Integration Broker settings and portal branding
- Wrote and deployed diagnostic web applications in Java
- Wrote functional and performance tests with Python and Selenium.

University of Colorado, University Information Systems

Boulder, CO

2005 - 2011

- Redesigned and rewrote web payment applications used by all three campuses statewide using a Domain Driven design to improve readability and maintainability and meet modern web security requirements. Wrote common payment interface to allow payments to be optionally routed through in-house payment systems or a third party payment processor.
- Led our team's effort to improve web application security and analyze our applications for security flaws
- Developed and updated various web applications with JSPs/JSTL and servlets
- Wrote several SOAP-based web services
- Worked with key users from each campus to gather requirements, analyze business processes, and coordinate end user testing
- Updated financial aid web applications for Boulder and Denver campuses to follow yearly regulatory changes
- Helped teach a series of classes and create homework assignments for Cobol programmers who wanted to learn Java.

Education

B.A. in Mathematics and Physics

University of Colorado, Boulder

1999

Coursework taken during and after degree included most of the computer science core curriculum, including data structures, algorithms, theory of computation, compiler construction, numerical analysis, network security, etc., in addition to the scientific programming and modeling required of regular physics students.