

Darrel Davis

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Accomplished technology professional and software developer with 20+ years of experience that includes product development within a mix of diverse startups, entrepreneurial efforts, and large enterprises. Intellectually curious lifelong learner able to both build solutions and facilitate development in technical leadership roles.

EXPERIENCE

Senior Java Developer, WhatCounts, Inc.

Mar 2022 – March 2023

- Design and implementation of microservice to decipher email user agent strings in Java/Spring Boot and deployed to Kubernetes.
- Maintained legacy Python scripts for daily email campaigns.
- Repaired and maintained dockerization of SqlServer database for local development.
- Researched and implemented database synchronization via Apache Kafka between Sql Server and PostgreSQL.

Key technologies: Java, Spring Boot, Docker, Sql Server, Python, Apache Kafka, Git

Senior Java Developer, Geico Insurance, Bluewater Consulting LLC – Chevy Chase, MD

July 2020 – January 2021

- Conversion of Kubernetes Helm Charts from version 2 to 3.
- Assisted in initial configuration and deployment of an application suite in a Kubernetes environment on IBM Cloud IKS environment.
- Web service enhancement development. Migrated a Java Spring Data/Webflux web service's datasource from HBase to Cassandra.

Key technologies: Java 8, Kubernetes, Helm charts, Spring Data, Spring Webflux, Git, Cassandra

NAIS-Web Technical Lead, NIST Dakota Consulting, Inc. Catapult Technologies, Inc. - Gaithersburg, MD Aug 2006 – Dec 2019

- Initially hired as contractor at National Institute of Standards and Technology (NIST) for the NIST Associate Information System (NAIS) project, a system that tracks guest researchers. Created the source repository and wrote backend Java code.
- Converted to federal employee in 2010 responsible for NAIS enhancements/maintenance and managing deployments to WebLogic environments for test and production.
- Implemented a critical internal NIST service that gathers Personal Identity Verification (PIV) badge status data every 30 minutes through a GSA operated SOAP webservice. Wrote initial service in Java and reimplemented it in C#/.NET, creating versions which store data and certificates in both Oracle and MS SQL Server databases.
- Managed Ant build environment and source code versioning in Subversion.
- Contributed to enhancement and maintenance of the NAIS Flex interface written in ActionScript for the Flash player.
- Served as a Contracting Officer Technical Representative (COTR) contributing to acquisition work, writing SOWs, and handling interaction with contractors.

Key technologies: Java 6 - 8 (POJOs, JMS), WebLogic 12.x, Oracle, Ant, Subversion

Technology Lead, Fabhive LLC - Rockville, MD Feb 2006 - July 2006

Fabhive LLC is a web application suite for the manufacturing design and procurement industries.

- Developed initial Fabhive app in PHP with a PostgreSQL database. The app is an education tool for manufacturing processes and a cost estimating tool for parts.
- Wrote AJAX calls to simple REST web services that inject return values into a web page.

Key technologies: PHP5, PostgreSQL 8.1.x, Prototype.js

Technical Lead, CIA Corporation - Columbia, MD

Mar 2004 - Feb 2006

- Tech Lead for District of Columbia's DCStat project to build an executive dashboard for city officials and back-end infrastructure exposing business logic via web services. Used Java, Tomcat, Struts, Axis, XML, and Oracle 9.
- Led porting of an ASP.NET web app to LAMP and Python using mod_python and a PostgreSQL datastore.

Key technologies: Java, Tomcat, Struts, Axis, XML, Oracle 9, Python, PostgreSQL

Senior Java Developer/Architect (contract), Geico Insurance - Friendship Heights, MD

Apr 2001 - Mar 2004

- Designed and implemented infrastructure for high-visibility online quote sales tool using Java, Struts, XML, XPATH, and XSLT on WebLogic 5.1. Wrote rulesets using Blaze Advisor rules engine.

Key technologies: Java, Struts, XML, XPATH, XSLT, WebLogic, Blaze Advisor

Co-Founder/VP of Technology/Chief Developer, AudioSonix, Inc. - Olney, MD

Mar 2000 - Mar 2001

- Designed and coded the AudioSonix server suite for media delivery that included multithreaded server and connection manager built in Java on Linux, deployed on both Linux and Windows. Designed and implemented web-based interface.
- Implemented service utilizing JSP with connections to Informix and Oracle RDBMS via JDBC. Coded reports and administration applications using JSP.
- Assisted in development of proprietary communication protocol in Java.

Key technologies: Java, JSP, JDBC, Informix, Oracle, Linux, Windows

Prior experience includes Senior/Lead Developer roles using Java, Perl, C, C++, VB, shell, and Informix for a mix of startups and large employers.

SKILLS

Languages: Java, Python, C#, PHP, Perl

Database: Oracle, MySQL, MS SQL Server, PostgreSQL, SQL

Tools: Ant, Subversion, Bash, PowerShell, JIRA, Git, Spring, Apache Kafka. Ant, Maven, Eclipse, IntelliJ Idea, WebLogic, Tomcat.

Operating Systems: Windows, Linux, MacOS