

Kyle Almas

SOFTWARE DEVELOPER · API SPECIALIST

Richmond, VA

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Summary

I am a versatile software developer looking for a challenging position where I can use my technical knowledge and creativity. I thrive as a member of a talented team in an environment where quality and flexibility are important. I love to solve hard problems, simplify complicated things, and build reliable systems.

Skills

Languages	Java, JavaScript, SQL, Python, PHP
Frameworks and Libraries	Spring Boot, Express, React, Kafka Streams, Apache Avro, ReactiveX, Liquibase, Angular, Symfony, Flask
Databases	PostgreSQL, Apache Kafka, Elasticsearch, MongoDB, Redis
Tools and DevOps	Jenkins, Logstash, Twilio, OpenAPI, Kibana, Git, Postman, SonarQube, Datadog, AWS, Docker, Kubernetes
Patterns and Practices	REST, Test Driven Development, SOLID Design, Agile, Contract-First Development

Work Experience

Terazo

Richmond, VA

LEAD SOFTWARE ENGINEER

Jul 2017 - Present

- Designed and lead the implementation of a microservice architecture based on the principles of REST and Contract-First Development.
- Mentored large team of software engineers and championed technical best practices including TDD and SOLID.
- Achieved high quality and rapid feature iteration by championing a Test Driven approach and maintaining a comprehensive automated test suite.
- Developed Event-Driven Architecture utilizing Kafka to broadcast entity changes and Kafka Streams library to build robust stream processors.
- Designed workflow automation system allowing for the construction of highly dynamic and event driven consumer outreach process.

ForRent.com

Norfolk, VA

SENIOR SOFTWARE ENGINEER

Feb 2012 - Jul 2017

- Guided the development of APIs throughout the company. Directed a team of engineers working on key infrastructure.
- Presented training on technical topics and introduced new standards and practices.
- Established reusable pattern for development of RESTful microservices using Spring Boot and guided the replacement of legacy applications.
- Led replacement of vendor search engine with a faster, more flexible API built with Spring Boot and Elasticsearch.
- Designed and implemented API to facilitate Community Messenger product. API was flexible and scalable enough to allow for rapid user growth and feature addition with minimal additional work.
- Collaborated with teams throughout company on migration to a stream based architecture using Apache Kafka. Replaced legacy ETL processes with publishers and subscribers using Logstash.
- Designed schema and integrated applications with multiple different database technologies, including Elasticsearch, SQL Server, MongoDB, and Redis.
- Used test driven approach to build reliable software using the testing tools PHPUnit, NUnit, JUnit, Mocha, Mockito, and Sinon.JS

Dominion Enterprises

Norfolk, VA

PROGRAMMER/DEVELOPER I

May 2009 - Feb 2012

- Designed and built corporate training website using Drupal CMS. Supported content administration and developed custom Drupal plugins.
- Maintained and supported numerous internal systems including Human Resources website.
- Implemented OpenID and LDAP authentication system to provide SSO access to internal resources.
- Integrated applications with vendor web services.
- Performed database (MS SQL Server) and server (IIS) administration tasks.
- Developed job posting portal, allowing hiring managers to advertise jobs and collect applications.

Education

Old Dominion University

Norfolk, VA

B.S. IN INFORMATION SYSTEMS (MINOR IN DECISION SCIENCE)

2010

- Awarded Outstanding Information Technology Student 2009 - 2010