KYLE ALMAS

SOFTWARE ENGINEER

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Profile

I am a driven and versatile software developer looking for a challenging position where I can learn and grow. I love solving new problems, making complicated things simpler, and writing reliable software. My specialty is building back-end systems, but I am comfortable throughout the stack and always excited to work in new areas.

Expertise

System Design
Decomposing complex business requirements into software solutions that are simple, well documented, and modular. Evaluating and choosing the right tools for the job.

RESTful APIs
Implementing APIs that follow the guidelines of REST to ensure flexibility, ease of use, and scalability. Using Swagger and HATEOAS to create self-documenting interfaces.

High Quality Code
Using Test Driven Development to ensure software complies with specification. Adhering to SOLID design principles to allow for timely reaction to changing requirements.

Tools

Java	JavaScript/Node	Spring
Elasticsearch	TypeScript	Angular
Apache Kafka	PHP	Bash
REST	SQL	Logstash

Experience

ForRent.com
Lead Software Engineer   2015 - Present

Guided the development of APIs throughout the company. Directed a team of engineers working on key infrastructure. Contributed to high level design decisions, mentored junior engineers, and presented training on technical topics.

- Established reusable pattern for development of RESTful microservices using Spring, guided replacement of legacy applications using microservices.
- Designed and implemented API to facilitate new Community Messenger product. API has been flexible and scalable enough to allow for rapid user growth and feature addition with minimal additional work.
- Collaborated with teams throughout company to facilitate smooth migration to a stream based architecture using Apache Kafka. Replaced legacy ETL processes with publishers and subscribers using Logstash.
- Led project to replace third-party search engine with a faster, more flexible API using Spring and Elasticsearch.

ForRent.com
Software Engineer   2012 - 2015

Developed and maintained ForRent.com, affiliated websites, and related systems. - Built web applications using Zend Framework, HTML, and JavaScript.

- Built APIs using a variety of frameworks, including Spring, Silex, and Express.
- 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
Programmer/Developer I   2009 - 2012

Worked on projects for Human Resources and Training department. Developed new web applications, maintained code for multiple websites, performed database and server administration tasks, and worked with vendors to maintain third party applications.

- Built replacement of corporate training website using Drupal CMS.
- Maintained and supported numerous internal systems including the internal Human Resources website.
- Integrated applications with vendor web services. Implemented OpenID and LDAP authentication systems.
- Developed online application system, allowing managers to send web based applications to candidates.

Education

Old Dominion University, Norfolk, VA
Bachelor of Science in Business Administration   2010

Major: Information Systems
Minor: Decision Science

Awarded Outstanding Information Technology Student 2009 - 2010