

# ARMOND LUTHENS

515.402.5546 // armondluthens@gmail.com // www.armondluthens.com

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## EXPERIENCE

**Trimble SketchUp - Boulder, CO**  
**Software Engineer**

**April 2018 - Present**

Responsible for working in an Agile setting to develop new features and improving performance for SketchUp's Warehouse Platform to service tens of thousands of active daily users. Most development is done using Java (Spring/Hibernate) and AWS' suite of tools. Primary duties include writing java code with a focus on scalability and database performance, integrating new features with Elasticsearch, frequently deploying new code to production, and writing tests (Unit, Persistence, Automation) to ensure stability and mitigate regressions. Notable accomplishments include architecting and implementing an exclusive API to allow streamlined integration with new and existing 3rd party consumers, optimizing database to safely patch heavy write traffic tables without downtime or site degradation, and designing a pipeline from Amazon Redshift to a MySQL database to offload analytics data where possible to decrease CPU usage.

**QCI (Quality Consulting Inc.) - Des Moines, IA**  
**Full Stack Software Engineer**

**January 2017 - April 2018**

Responsibilities included full stack software development, requirements gathering, and consulting directly with clients to deliver custom software solutions. Developed using an Agile process. Worked primarily with MVC .NET framework using technologies including C#, Entity Framework, and Linq. Frontend development included JavaScript and TypeScript using Angular2. Notable projects included a multilingual international career planning application for Kuder, Inc. and integrating a learning management system into an internal web application for Pioneer Hi Bred International.

**University of Iowa Physics Department**  
**Student Software Engineer**

**August 2015 - December 2016**

Worked directly with University of Iowa Researchers on NASA's Juice Mission to develop an interactive web application to manage purchase orders, inventory, and part constraints for assembling circuitry critical to mission. Implemented the service layer with Java with a MYSQL database and client side code with Bootstrap.

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## EDUCATION

**University of Iowa**

**Bachelor of Science in Engineering:** Electrical & Computer Engineering

**Minor:** Computer Science | **Certificate:** Technical Entrepreneurship | **GPA:** 3.43

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## SKILLS

**Software Development:** Java (Spring & Hibernate), Python, C#, JavaScript/TypeScript

**AWS:** RDS (Aurora), EC2, Amazon Redshift, SQS, SNS, ElastiCache, Cloudfront

**Tools & Technologies:** Gradle, Bamboo (CI/CD), Elasticsearch, Git, JPA, MySQL, Datadog