ARMOND **LUTHENS**

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EXPERIENCE

Trimble SketchUp - Boulder, CO   **April 2018 - Present**
Software Engineer

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 mass scalability, integrating new features with Elasticsearch, frequently deploying to production (CI/CD with Bamboo), and creating tests (Unit, Persistence, Automation) to ensure stability and mitigate regressions. Notable accomplishments include rearchitecting and implementing a new logging framework in all systems, optimized database to safely patch busy tables without downtime or site degradation, 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   **January 2017 - April 2018**
Full Stack Software Engineer

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   **August 2015 - December 2016**
Student Software Engineer

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.

EDUCATION

University of Iowa
Bachelor of Science in Engineering: Electrical & Computer Engineering
Minor: Computer Science | **Certificate:** Technical Entrepreneurship | **GPA:** 3.43

SKILLS

Software Development: Java (Spring & Hibernate), Python, C#, JavaScript, TypeScript
AWS: RDS (Aurora), EC2, Amazon Redshift, SQS, SNS, ElastiCache, Cloudfront, Route53
Tools & Technologies: Gradle, Bamboo (CI/CD), Elasticsearch Git, JPA, MySQL