ARMOND **LUTHENS**

515.402.5546 // armondluthens@gmail.com // www.armondluthens.com // Arvada, CO

EXPERIENCE

DigniFi - Remote/Boulder, CO
Lead Senior Software Engineer   **January 2022 - Present**
Senior Software Engineer   **April 2021 - January 2022**

Responsible for leading complete architectural redesign of legacy monolithic Rails application to a (primarily Java) EKS microservice architecture in the AWS ecosystem. Primary focuses include leading the entire company architectural design, with domain expertise in consumer underwriting and loan origination. Core competencies include domain expertise in both architecture and infrastructure, including, API gateway and network configuration, Kubernetes container orchestration (EKS/Docker), microservice (Java, Python, Ruby) development and deployment pipelines (both HTTP and event driven architecture - SNS/SQS), and data persistence layer and database management.

Key accomplishments (architecting, building, deploying, owning and maintaining) in this domain include but are not limited to, building DigniFi's flagship consumer product, *Prequalification;* DigniFi's proprietary underwriting model, underwriting engine and identity verification system (responsible for making all loan origination decisions in accordance with several compliance and risk management profiles); DigniFi's partner API layer for direct B2B API integrations, as well several adjacent consumer credit products and internal tools. Reengineering DigniFi's consumer lending portal has resulted in significant cost savings, drastically improved performance and stability (resulting in increased consumer satisfaction and merchant adoption), and diversification into new verticals to increase company revenue.

Trimble SketchUp - Boulder, CO   **April 2018 - April 2021**
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 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   **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 (Lambda, Flask), Ruby on Rails
Infrastructure: AWS Ecosystem (EKS, Lambda, SNS/SQS, API Gateway, EC2, RDS, etc.)
Tools & Technologies: Github Actions (CI/CD Pipelines), Gradle, Docker, Datadog, Argo, K9s