

# MARK MAGAHIS

## Software Engineer

### CONTACT

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### EDUCATION

**Bachelor of Science**  
**Computer Science**  
**Math Minor**  
Texas State University

**Bachelor of Science**  
**Music Business**  
**Associate of Science**  
**Recording Arts**  
Full Sail University

### SKILLS

#### Technical

Erlang ■ ■ ■ ■ ■  
Python ■ ■ ■ ■ ■  
Linux ■ ■ ■ ■ ■  
Git ■ ■ ■ ■ ■  
AWS ■ ■ ■ ■ ■  
Docker ■ ■ ■ ■ ■  
Swift ■ ■ ■ ■ ■

#### Competencies

Technical Learning  
Problem Solving  
Communication

### OBJECTIVE

Experienced backend engineer with a demonstrated history of designing scalable, resilient systems. Proficient in building backend solutions optimized for performance, reliability, and maintainability. Adept at delivering innovative features that drive business value, with a passion for enhancing content pipelines and distributed systems.

### EXPERIENCE

**AuthenticID**; Remote *Jun 2024 - Dec 2024*  
Senior Software Developer

- Developed a serverless watchlist microservice leveraging AWS Lambda, API Gateway, and DynamoDB, with features including CRUD operations, DynamoDB composite keys, API Gateway authorizer integration, and advanced query capabilities.
- Integrated watchlist microservice into an AWS Step Functions state machine, enhancing workflow orchestration by adding document validation and retrieval steps; utilized Lambda, DynamoDB, and API Gateway for seamless interaction, ensuring scalability, low latency, and secure data handling within the large serverless architecture
- Built robust CI/CD pipelines and implemented unit testing, ensuring system reliability and operational excellence.

**Fortra (previously Alert Logic)**; Remote *Nov 2018 - Mar 2024*  
Software Engineer

- Led migration from legacy platform to cloud services, implementing Python scripts to ensure smooth transition.
- Released new features by implementing tight feedback loop with product owners and beta testers which led to successful scheduled releases and swift identification & mitigation of bugs.

#### Platform Services team - Individual Contributor:

- Enhanced identity and access management by implementing microservices with AWS IAM, RAM, EC2, and DynamoDB, improving system scalability and security.
- Streamlined account provisioning by developing a Lambda function that integrated Salesforce with internal microservices, reducing processing time.
- Improved notification reliability by leveraging AWS SES, SNS, and SQS, ensuring efficient message delivery across services.

#### Core Services team - Individual Contributor:

- Optimized asset and metadata management by maintaining AWS ECS, DynamoDB-based systems, and an in-house graphing model, ensuring efficient resource tracking, utilization, and scalability.
- Enhanced data ingestion pipelines with Amazon Kinesis Data Streams and S3, enabling seamless data flow, metadata processing, and storage.