

SOFTWARE ENGINEER | CLOUD DEVELOPMENT ENGINEER

Software Engineer with proven experience in developing cloud and data storage/processing applications to support business and client goals. Highly skilled in the full software development life cycle (SDLC), including the design, development, programming/coding, testing, rollout and support of innovative solutions. Expertise in creating scalable system designs and leveraging advanced technical skill set to support large-scale internal and client-facing development initiatives.

Core Competencies

Software Engineering • System Design • Project Planning • Code Clarity • Cloud-Based Distributed Systems
Software Updates/Enhancements • RESTful APIs • Data Pipeline Infrastructure • System Integration & Migration
Data Storage & Interpretation • Data Analytics • Coding/Programming • Front/Backend Development

Technical Skills

Agile/Scrum • C# • Python • SQL • CSS • HTML • JavaScript • AWS • Git • JIRA • Pivotal • BitBucket • TeamCity

PROFESSIONAL EXPERIENCE

ABC TECHNOLOGY

January 2017 – August 2020

Software Engineering Manager (August 2019 – August 2020)

Led a team of software engineers through the integration of a third party data processing engine—Nuix—into existing application, as well as post-integration customer migrations. Facilitated the full development process, including design, development, programming, testing, debugging and deployment of new solutions and product features.

- Developed process for integrating Nuix into existing application with minimal disruption to front-end and backend components. Built the engine to manage high volume workload to support a scalable data processing application.
- Introduced new programming language—Java—to the team to ensure successful integration of Nuix. Led the build-out of tools and integrated development environments (IDEs) to support team in learning the new language.
- Modified product architecture, removing 13+ microservices, which reduced costs associated with Amazon Web Services (AWS), engineering onboarding and application maintenance, while also increasing performance for customers.
- Leveraged the Nuix engine to implement new application features that aligned with customer requests, including auto-redaction of PII in documents and natural language processing, which boosted customer renewal rates.
- Identified need for service database to monitor status of jobs within application; designed the database and led the integration. Resulted in significant reduction of mean time to recovery (MTTR) by >95%.

Mid-Level Software Engineer (January 2017 – August 2019)

Hired to build and manage an AWS-hosted distributed data-processing application used to serve corporate legal teams. Led the software archeology efforts and provided ongoing maintenance of the legacy product through various development tasks, including writing code and performing testing, debugging and system updates.

- Assisted with the design and deployment of the legacy application, which ran in AWS and included use of S3, EC2, Elasticsearch SNS/SQS, DynamoDB and Lambda.
- Utilized various tools to maintain and extend application code, including .NET, C#, Entity Framework and SQL.
- Supported continuous integration/continuous deployment (CI/CD) using CloudFormation, Terraform and TeamCity.
- Collaborated with Product Manager to develop a proof-of-concept to support new input type called Load Files. Conducted a deep dive of source code to determine how metadata was used for data/document storage application. Developed prototype for importing Load Files within 2 weeks, which helped retain a high volume of customers.

TECHNOLOGY PROS

December 2015 – December 2016

Software Engineer

Developed 2 new standalone Python applications, which were used to record and analyze biological data. Partnered with CTO to write, test and release all software, using Matplotlib, scipy, numpy, PyQt and PyQtGraph. Took on additional tasks, including data analysis using LabChart, as well as technical documentation drafting, release engineering, quality assurance, customer support, customer workshops, SEO analytics, web development and graphic design.

EDUCATION

UNIVERSITY OF COLLEGE – Bachelor of Science, Computer Science