

I have wide-ranging experience working as a full-stack software engineer building REST APIs, microservices, distributed systems and data pipelines with AWS. Certified AWS Solutions Architect - Associate.

EMPLOYMENT

Senior Full-Stack Software Engineer	Intuit	April 2020 – Current
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- Currently building a serverless REST API in AWS. Using cloudformation, lambda functions, DynamoDB (NoSQL), SQS, state machines. Swagger for API spec. Splunk for logging.
- The API enables sales agents to place different types of orders for Intuit products. Currently generating millions in sales annually.

Software Engineer	The College Board	October 2017 – April 2020
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- Rearchitected and modernized the main data pipeline that populates College Board's central data warehouse. The new pipeline was decoupled and distributed, using Python, AWS ElasticMapReduce (Hadoop), Redshift, SQS, Cloudformation and S3.
- Built a simple web app that allowed users to upload semi-structured data directly into structured tables in our central data warehouse, saving dozens of hours per week and empowering the research and discovery efforts of our data science teams. The web app was built with Python Flask, Javascript, HTML, CSS and was hosted in AWS Elastic Beanstalk.
- Developed a process using Python and AWS Glue to transform our central data warehouse hosted in AWS Redshift to a hybrid "data lake", using AWS Redshift + S3. This provided a crucial long-term data growth management strategy and allowed us to reduce storage space costs without significantly affecting user access.

Solutions Engineer	Appian	June 2016 – August 2017
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- Developed solutions for customers using Appian's "low code" software running on Linux instances in AWS cloud. Configured a variety of application servers and databases to integrate with Appian's platform in 100+ individual customer environments. Was one of the top performing engineers on the team, delivered 600+ successful solutions in under a year and contributed extensively to our documentation and knowledge base.
- Became the subject matter expert in a key area of the Appian platform. Developed training material and mentored other team members, while working closely with product engineering teams to determine pain points for customers and steer product development.

EDUCATION

University of Virginia	2011 – 2015
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- Bachelor of Science in Computer Science

CERTIFICATIONS

2019 – 2021

- AWS Certified Solutions Architect - Associate

SKILLS

- Languages: Python, JavaScript, HTML, CSS, SQL, Java, NoSQL
- Other: AWS, Serverless, Github, CI/CD, TDD, Agile- Scrum, JIRA, Hadoop, Spark