

ZAIN SIDDIQUI

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WORK EXPERIENCE

Acorns

Software Engineer (Backend)

April 2021 - Present

- Increased speed of transfers by 40% for 8 million Acorns customers by building a Kotlin, AWS, and GraphQL powered money transfer microservice in a collaborative engineering environment.
- Improved reliability and scalability of monthly subscription billing for Acorns customers by 60% by architecting and implementing Kotlin, Ruby on Rails, and AWS based microservices.
- Engineered the backend for Peer to Peer (P2P) money transfers by programming the functionality into the money transfer microservice, which sets the groundwork up for 8 million Acorns customers to send money to each other in a matter of seconds.
- Strengthened the reliability of the team's deployment processes by provisioning Infrastructure as Code (IaC) via AWS, increased speed of deployments via GitHub Actions (CI/CD), and increased visibility via clear documentation.
- Created and optimized complex SparkSQL queries, increasing speed by 200%, in Databricks to provide critical trade data to crucial stakeholders and collaborated closely with Financial Operations and Accounting teams to guarantee strict accuracy.

Cerner (acquired by Oracle)

Software Engineer Intern (Frontend)

May 2020 - July 2020

- Engineered the front end of a web application that allows health care data to sync between hospitals for 15 million patients in a team of four using JavaScript, React, and Redux.
- Gained an understanding of an Agile Scrum environment by participation in ceremonies, collaborated with designers via Figma, and tested software using Jest and WebdriverIO.

Skyworks Solutions

Software Engineer Intern (Backend)

January 2020 - July 2020

- Built a proof-of-concept C# RESTful microservice to access hundreds of gigabytes of company data from the ground up to migrate from an on prem storage solution to the Microsoft Azure cloud.
- Strengthened security of internal web applications by replacing deprecated third-party APIs with more secure OAuth2-based APIs in Python.

Cloudberry Research Group, UC Irvine

Research Assistant (Data Science)

June 2019 - September 2019

- Gained introductory experience on a variety of machine learning techniques to make sense of language nuance regarding emotional sentiment on Twitter using Python.
- Introduced the use of deep learning techniques to 15 graduate researchers via AllenNLP research library.

iD Tech Camps

Lead Programming Instructor

Summer 2017 and Summer 2018

- Instructed 200+ children/teens on a variety of basic programming topics, such as loops, functions, and OOP, and mentored new hire instructors on teaching techniques.
- Ensured students were engaged and having fun by mentoring them on coding projects of their choice.

TECHNICAL SKILLS

Backend Programming Languages:	Kotlin, Java, Python, Ruby on Rails, C, C++, C#
Frontend Programming Languages:	JavaScript, TypeScript, React, Redux, HTML, CSS
Architecture/Cloud:	Event Driven Systems, AWS: Lambda, S3, EC2, SQS, Kinesis, etc.
Databases:	SQL, NoSQL, Databricks, SparkSQL, DyanmoDB
Tools:	Git, GitHub Actions, CI/CD, Harness, Jenkins, Jira

EDUCATION

University of California, Irvine
Bachelor of Science Computer Science

Irvine, California
September 2018 - March 2021

CERTIFICATIONS

Academy Accreditation - Databricks Lakehouse Fundamentals SQL, Databricks

March 2023

Earners of the Lakehouse Fundamentals accreditation have demonstrated the understanding of fundamental concepts related to Databricks Lakehouse Platform.