
EMPLOYMENT

Acorns

Software Engineer II (Backend)

September 2023 - Present

- Mitigate fraud rates by 20% and enable money deposits to Acorns to arrive 40% faster for 6.4 million Acorns customers via development of a brand-new Kotlin, GraphQL, and AWS-based Risk Engineering platform.
- Reduce subscription fee losses by \$100,000 every month by refactoring the design and code for Kotlin, Ruby on Rails, and AWS-based microservices.

Software Engineer I (Backend)

April 2021 – August 2023

- Increase speed of money deposits and withdrawals by 30% for 3.2 million Acorns customers by building and maintaining a Kotlin, GraphQL, and AWS-based central money transfer service.
- Introduce stronger CI/CD practices to 200+ Acorns engineers by setting up daily deployments of backend services to ensure reliability via GitHub Actions and Infrastructure as Code (IaC) in AWS; was selected by manager to present this work to executives and senior engineering leadership.

Cerner (acquired by Oracle)

Software Engineer Intern

May 2020 – July 2020

- Engineer the frontend of a web application that enables healthcare data for 15 million patents to sync between hospitals, working in a team of four using JavaScript, React, and Redux.
- Gain a strong understanding of an Agile Scrum environment by participating in ceremonies, collaborating with designers via Figma, and testing software using Jest and WebdriverIO.

Skyworks Solutions

Software Engineer Intern

January 2020 – July 2020

- Build a C# RESTful microservice from the ground up to access hundreds of gigabytes of company data, facilitating the migration from an on-premises storage solution to the Microsoft Azure cloud.
- Strengthen 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

June 2019 – September 2019

- Design and develop a microservice to ingest and process 200GB of Twitter data daily, enabling 15 PhD students to perform machine learning techniques on Twitter data using Python, AWS (SQS, Lambda).
- Introduce the use of deep learning techniques to 15 PhD researchers through the AllenNLP research library.

iD Tech Camps

Lead Programming Instructor

Summer 2017, Summer 2018

- Instruct 200+ children/teens on a variety of basic programming topics, including loops, functions, OOP, and mentor new hire instructors on teaching techniques.

EDUCATION

University of California, Irvine

Computer Science, B.S.

March 2021

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/APIs:** GraphQL, REST, AWS: Lambda, S3, EC2, SQS, Kinesis, etc.
- **Databases:** SQL, NoSQL, DynamoDB, PostgreSQL, Databricks, SparkSQL
- **Tools:** Git, GitHub Actions, CI/CD, Harness, Jenkins, Jira

CERTIFICATIONS

Academy Accreditation – Databricks Lakehouse Fundamentals

March 2023

- Verifies strong understanding of fundamental concepts related to the Databricks Lakehouse platform.