

Alexander Gharibian

Software Engineer

Boston, MA

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 alexandergharibian

SKILLS & INTERESTS

Programming Languages	Java, Go, Python, C, C++, Shell, JavaScript, SQL, Vue.js
Technologies	AWS, Jenkins, Git, Docker, Splunk, Cucumber/Gherkin, Node.js
Certifications	AWS Certified Solutions Architect Associate
Spoken Languages	English, Armenian
Interests	Guitar, Piano, Skiing, Rowing, Cycling

WORK EXPERIENCE

Capital One

McLean, VA

Senior Associate Software Engineer

July 2020 — Present

- Led a team of 3 to implement Secured Card specific functionality in the website used by Capital One's call center agents, such as the ability to check the balance of and pay the security deposit on the account
- Developed RESTful Golang orchestration AWS Lambda APIs to enable millions of Capital One's Secured Card customers to increase their credit limit after their account has been established
- Created an automated end-to-end testing framework to create pre-conditioned Secured Card testing accounts to use with internal systems and to allow for integration within CI/CD pipelines to test overall system functionality before deployment, reducing the time to create test data from 15 minutes to 30 seconds

Associate Software Engineer

August 2019 — July 2020

- Wrote part of the core logic for an AWS Lambda, AWS EMR, and Apache Spark-based decision engine that modifies a business card customer's APR based on payment habits replacing a legacy, on-premise system saving the company \$10M annually
- Implemented a Java Spring Boot API and Vue.js-based UI tile used by call center agents to see information regarding a customer's remaining statement balance, allowing agents to provide another option for customers to pay their bill

Red Hat

Westford, MA

Performance Engineering Intern

May 2018 — August 2018

- Wrote unit tests for *Machine Learning Container Creator* (MLCC), a command line utility that installs a user's desired machine learning packages in a Docker container for Red Hat operating systems in a single command hiding the messy details and eliminating the risk of corrupting the host operating system
- Created an ML app using OpenCV and TensorFlow that identifies handwritten digits via camera to demonstrate the MLCC workflow and presented in front of Red Hat employees and executives

Software Engineering Intern

June 2017 — August 2017

- Worked on the team developing *Linchpin*, an application that provides a command-line interface and Python API for provisioning and managing resources across multiple infrastructures. I developed the *Linchpin fetch* feature to retrieve remote topology configurations and integrate them locally to allow users to quickly restore previously working sessions. Linchpin has been downloaded over 225k times.

PROJECTS

BandMap

August 2018 — December 2018

- A unified service that allows users to find trustworthy bands and local musicians for hire.
- Musicians and bands can create their own profile, showcasing their talent so that venues can quickly learn about each artist's capabilities and contact them for hire through the website.

COMMUNITY ENGAGEMENT & LEADERSHIP

Webmaster

September 2017 — May 2019

Purdue Crew

West Lafayette, IN

- Rebuilt the rowing team's website, established a new domain name and web hosting plan, and eliminated the need to make code changes when adding content, ultimately reducing the learning curve for future webmasters

Founder & Club President

August 2018 — May 2019

Armenian Club of Purdue

West Lafayette, IN

- Founded the Armenian Club of Purdue to unite the campus's Armenian population and grew the organization to 10 people by hosting fundraisers and events

EDUCATION

Purdue University

West Lafayette, IN

Bachelor of Science in Computer Science

May 2019

Concentration in Systems Programming and Software Engineering

Certificate in Entrepreneurship