

# Bagrat Aznauryan

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## Tech

python kubernetes helm ansible nginx bash  
open-api mongodb mysql redis apache-spark

## Education

2015 **Master of Science**  
Computer and Information Science  
American University of Armenia

2012 **Bachelor of Science**  
Physics  
Yerevan State University

## Online Courses

**Intro to Kubernetes**  
*edX.org, Linux Foundation*

**Intro to Cloud Technologies**  
*edX.org, Linux Foundation*

**Cloud Computing Applications**  
*Coursera.org, University of Illinois*

**Intro to Apache Spark**  
*edX.org, UC Berkley*

**Big Data Analysis with Apache Spark**  
*edX.org, UC Berkley*

**Distributed Machine Learning with Spark**  
*edX.org, UC Berkley*

**Data Science and Engineering with Spark**  
*edX.org, UC Berkley*

**Machine Learning**  
*Coursera.org, Stanford University*

**MongoDB for DBAs**  
*MongoDB University*

**MongoDB for Developers**  
*MongoDB University*

## Experience

**Software Engineer** Current, from Oct 2015  
Sauce Labs Inc. San Francisco, CA, USA  
*(working remotely from Yerevan, Armenia)*

Develop and maintain the core services of Sauce Labs mainly using asynchronous Python deploying on Kubernetes. Participate in on-call rotation for prompt production troubleshooting. Contribute to the CI pipelines. Implemented caching and rate limiting for the API to unload the database. Set up monitoring of services for better insights into health and production issues, which significantly decreased the response/reaction time to alerts.

**Software Engineer** Nov 2014 - Oct 2015  
Aarki CJSC Yerevan, Armenia  
*(branch of Aarki Inc., Mountain View, CA, USA)*

Design scalable web services for an advertising platform, set up the infrastructure, including CI, configuration management, database design and architecture. Developed wrappers/decorators for Python to hide repeating and routine implementation tasks, which increased development and debugging time by providing more intuitive and clean code.

**Software Engineer** Mar 2013 - Nov 2014  
IUNetworks LLC Yerevan, Armenia

Designed 3-tier architecture for an e-commerce web service using Java. Organized the CI pipeline, which increased software quality and release processes and decreased development time. Developed base classes for unit testing which increased test coding by initialising and providing all necessary resources. Implemented logic split into service and data access layers.

**Software Engineer** Jul 2012 - Mar 2013  
be2 LLC Yerevan, Armenia  
*(branch of be2 S.a.r.l., Luxembourg)*

Developed RESTful Web Services for a matchmaking web application. Improved software development processes by setting up the development environment and writing automation scripts, which increased development productivity. Increased code coverage with unit tests and documentation which increased the readability of the code and decreased build fails.

**Embedded Software Engineer** Feb 2010 - Jul 2012  
Antel Design LLC Yerevan, Armenia  
*(acquired by Knightsbridge Group, Vienna, Austria)*

Developed a command line interface via RS232 using C language on AVR32 architecture for a proprietary wireless transceiver. Additionally, integrated a third party Wi-Fi module on same platform to enable remote wireless configuration of the radio module. Wrote technical specifications and documentations for each piece of software.