Samuel Alebachew

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Objective Statement:

I am looking for a full time position with a company where I can use my analytical, technical and leadership strengths and apply them to an innovative engineering setting.

Experience:

Amazon   *Software Development Engineer*   November 2016 - Present

- Developed an AWS serverless application which processes audio, video and interaction events from customers in real time.
  - Leveraging AWS technologies such as: DynamoDB, S3, Lambda, Kinesis, KMS, etc
- Collaborated in a team of full-stack developers, sharing knowledge and designing components together.
- Solved difficult problems to meet security requirements for encryption of data at rest and in transit.
- Developed well-defined API schemas and libraries for clients to serialize and deserialize data efficiently
- Gained strong Amazon Leadership skills to tackle problems more effectively and influence my team in positive ways.

Boeing   *Software Development Engineer*   March 2015 – November 2016

- Developed a lightweight simulation of Boeing's P-8 mission system for clients to test their applications before deploying them on the actual hardware.
  - Evaluated design patterns and threading models, keeping in mind the testability and modularity for future features.
- Designed UML model architecture of new features to be developed.
- Mostly worked with a maven build environment, implementing many of my own maven-plugins.

Hive[6]   *Android App Development Intern*   June 2013 – September 2013

- Developed a mechanism to efficiently store user data and synchronize it across multiple databases in SQLite gaining basic experience with databases and powerful queries.
- Improved UI performance by removing by caching graphical information, with the leverage of the TraceView profiler.
- Implemented the frontend user interface of a file storage module for creating, editing, and sharing files.

Key Skills:

- Programming Languages: Java (proficient), Python (avg), C (avg), C++ (basic), SQL (basic)
- Programming Tools: Eclipse, Android Studios, Vim, Unix/Linux, Maven, Git, Arduino, Active HDL
- AWS technologies: Kinesis, DynamoDB, S3, KMS, SQS / SNS, ElasticSearch, ElastiCache, EC2, CloudWatch

Education:

B.S. Computer Engineering   *University Of Washington, Seattle*   Sept 2012 – March 2015

- Projects:
  - Built & programmed an auto-tuning AM receiver (C++) http://www.youtube.com/watch?v=RFDpw2oJbK8
  - Developed an artificially Intelligent PacMan (Python)
  - Senior Robotics Capstone Project: https://www.youtube.com/watch?v=yKJAJsvxj6k

Aerospace Engineering Transfer   *Bellevue College*   June 2010 – June 2012

- 3.82/4.00 GPA earning 111 total credits in 2 years.

Honors & Activities:

- UWCTF Club - participated in a few CTF competitions in my spare time at the University of Washington.
- www.samuelale.com - my website that you should definitely check out.
- Black History Month Alexa Skill - https://www.amazon.com/Amazon-Black-History-Facts/dp/B01MYC6MJG

NSBE President & Founder   *Bellevue College Chapter*   Sept 2011 – June 2012

- Mission: To increase the number of culturally responsible Black Engineers who excel academically, succeed professionally and positively impact the community. As president, I recruited members, organized events, and brought guest speakers

from the industry to our meetings in hope to improve and concentrate their aspirations.