**Sesario Hiroyuki Imanputra**(206) 816-5791 [sesario.hiroyuki99@gmail.com](mailto:sesario.hiroyuki99@gmail.com) sesari99.github.io/Resume Seattle, WA

**Personal Interests**

Recently graduated computer science and software engineering student with experience in backend engineering and specialization in scaling enterprise systems. As an engineer, my interest lies in optimizing operation strategies to maximize ROI through data analysis. I am passionate in music production, vinyl collection, and hiking.

**Education**

**University of Washington Bothell (UWB) September 2018 - December 2020**

Bachelor of Science in Computer Science and Software Engineering

Dean’s List: Spring 2019

**Shoreline Community College (SCC) June 2016 - June 2018**

Associates of Arts in Computer Science

Honors List: Winter 2018

President’s List: September 2016

Phi Theta Kappa Honor Society Member 2016

**Work Experience**

**Educating Young Eyes Center |** Back-End Engineer **January 2020 – December 2020**

* Created back-end applications and RESTful services using NodeJs, Express, Swagger, and MySQL to store, manipulate, and display patient data
* Deployed back-end applications using AWS EC2 and RDS and achieved 99.99% uptime by using Jmeter, Jenkins, and Postman for load and stress testing.
* Redesigned API calls to achieve 3000 calls per second with an average response time below 200ms by implementing paging and asynchronous methods.
* Secured the integrity of data by creating data recovery procedures and encryption in transit using Nginx.

**Accenture |** QA Analyst Internship **July 2019 – September 2019**

* Increased the catalogue of defects by 15% by discovering new defects across sanity, E2E, and live test stages.
* Maintained the QA testing framework regularly using JIRA queries, which increased team efficiency in resolving defects by 20%.
* Analysed the business impact of defects daily, accelerating progress of testing stages 2x faster than anticipated.

**Projects**

**AWS Flask Web Service**

* Built a Python web service using Flask to manage user data while maintaining an availability of 99.88% under high traffic.
* Implemented API calls that interact with AWS DynamoDB with an average response time below 160ms.

**68k Disassembler**

* Built an inverse assembly framework that distinctly identifies 19 opcodes and 8 effective addressing modes according to their bit patterns.
* Led a team over a 3-month period to success by implementing the inverse assembly framework using a 68k simulator.

**Skills** (in order of experience)

**Languages:** Java, C++, SQL, JavaScript, C#, Assembly (68k), HTML, CSS, R, Python

**Systems:** Windows, Linux (CentOs, Amazon, Rhel), Ubuntu

**Server-Side:** NodeJS, REST API, Flask, .NET

**Deployment/Testing:** AWS, Jmeter, Postman, Jenkins

**Others:** Github, Unity, JIRA, Agile, Microsoft Suite

**Student** **Activities**

**Red Cross Club, Vice President, 2018**

Co-founded the club, supervised administrative social media work, and designed all public relations material, which expanded membership from 5 to 45 members.

**Northwest United Nations, Delegate, 2017**

Practiced diplomatic and leadership skills as a delegate of Sweden in General Assembly.

**World Scholars Cup, Participant, 2015**

Developed critical thinking and resilience through rapid debates from regional through Yale championship round.