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| Aaron Fung  SOFTWARE ENGINEER | | [afung206@gmail.com](mailto:afung206@gmail.com)  Seattle, Washington  206.334.0153 |
|  | **KEY accomplishments** | |
| **SOFTWARE DEVELOPMENT** | * Reinvigorated a lagging Human Resource processing tool and successfully pushed it production that saved the company millions of dollars in overhead and development/licensing cost annually. * Eliminated a critical backend bug within the video streaming transcode pipeline that was causing over 50% live streams to fail and broadcast unsuccessfully for mobile and tablet users; causing over $50,000 in loss revenue a day. | |
|  | **Experience** | |
| **THE BOEING COMPANY**  *Bellevue, WA*  *Aug 2018 – Present* | SOFTWARE ENGINEER II  The Boeing Company is a leader in aerospace and engineering. In the Digital Transformation Environment Team, we focused on changing the software development culture within Boeing.   * Transformed software development teams within Boeing through mentoring and leadership while driving development with agile methodologies and eXtreme programming techniques (i.e. test-driven development, pair programming and continuous integration). * Modernized legacy applications with modern web frameworks and services including, Java with Spring Boot, React.js and Pivotal Cloud Foundry. | |
| **ACCRETIVE TECHNOLOGY GROUP**  *Seattle, WA*  *Dec 2014 – Jun 2017* | SOFTWARE ENGINEER  Accretive provides a high-definition live streaming video and chat platform that delivers over 200,000 streams an hour to 40,000,000 unique daily visitors across the globe and generates over $351M a year in annual revenue.   * Designed, developed and released multiple microservices using Node.js with koa.js and express.js, redis, and MySQL to manage the state of a complex system (live and recorded streams, authorization, thumbnail generation, etc.) and to add scalability to an existing monolithic service. * Designed and developed the live streaming transcode service which is responsible serving multiple HD streams (mp4, hls, lodef, etc) from a single origin stream to over 1,000,000 users a day while still providing low bandwidth video subscribers options of low latency video streams. * Created overhead reducing reports, alerts, dashboards and automated functional/end-to-end test scripts for development teams and stakeholders using Splunk, Perl and Bash (Linux). | |
| **ACCRETIVE TECHNLOGY GROUP**  *Seattle, WA*  *Nov 2012 – Dec 2014* | SOFTWARE DEVELOPMENT ENGINEER in TEST   * Designed and developed an UI automation framework with **Selenium**, **PHPunit** and other various open source projects that reduced QA testers overhead by 60%. * Led and designed UI automation testing against all major platforms and browsers using PHP and Java (PC, Mac, Android and iOS). | |
| **BLUCORA inc.**  *Bellevue, WA*  Mar 2012 – Jun 2012 | SOFTWARE DEVELOPMENT ENGINEER IN TEST - INTERN  Blucora is a provider of Internet-related services, with a heavy focus on online advertisement and meta-search.   * Developed, maintained and created hundreds of new test suites against the new metasearch framework while expanding and maintaining exist test suite on legacy framework in **C#**. | |
|  | **EDUCATION** | |
| **UNIVERSITY OF WASHINGTON**  *Seattle, WA*  *Mar 2009 – Dec 2011* | Bachelors in Computer Science & Systems   * As a team, developed a Twitter bot using Python scripts in combination of utilizing Twitter’s API to autonomously engage with other twitter users. * Created a multithreaded web crawler and OS process scheduler simulator in Java | |

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|  | **Projects/Information** |
|  | * GitHub/Project Page - <https://github.com/afung206> * LinkedIn - [www.linkedin.com/in/aaron-fung-a5687642](http://www.linkedin.com/in/aaron-fung-a5687642) |

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|  | **Skill/Expertise** |
|  | * eXtreme Programming, Test Driven Development (TDD), Agile Methodologies, Pair Programming * Java, Kotlin, JavaScript, Typescript, .NET, .NET Core, Node.JS (express, koa.js), React, Spring Boot, Unit Testing, Test Automation, Continuous Integration (CI/CD), GitHub, IntelliJ IDE, Visual Studio, Postman, MySQL |
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