YUEQI (GAVIN) LI

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SUMMARY

- Detail-oriented, collaborative programmer with excellent written and verbal communication skills.
- Proficient in RESTful API and MVC web development in Java, Python, Go, and Perl along with writing tests.
- Worked on both SQL and NoSQL databases such as Postgres, MySQL and Cassandra.
- Hands-on Experience on JavaScript, ASP, JSP, PHP, HTML and CSS.
- Familiar with production tools such as AWS, Docker, Swagger, Datadog, Splunk and Jenkins.
- Solid in algorithms and data structures as well as Object-Oriented design.
- Mostly worked in Unix&Linux environment and be able to adapt to Windows environment quickly.
- Worked in Scrum and Kanban environments and familiar with other development methodologies.

WORK EXPERIENCE

Software Engineer	**Turnitin, LLC – Oakland, CA**	**Aug 2016 - Present**
Software Engineer	**Turnitin, LLC – Austin, TX**	**Jan 2016 - Aug 2016**
Associate Software Engineer	**Turnitin, LLC – Austin, TX**	**Jan 2015 - Jan 2016**

Turnitin Production Course Management System(Ongoing Work)   July 2016 - Present
- Built 3 microservices and clients to simplify backend workflow. Reduced 10k lines of code and eliminated bugs.
- Wrote unit test and integration tests for existing and new code. Achieved 100% code line coverage.
- Rewrote backend doc processing logic. Increased doc processing performance by 18%.
- Developed notification banner from front-end to back-end. Allowed users to receive critical alerts.
- Fixed 20+ customer reported issues and 2 Whitehat security risks. Helped win business with a new university.
- Wrote 2 internal libraries to serve shared functionalities. Reduced tech debt.
- Set up and utilize production monitoring systems such as Splunk and Datadog.

Notification Service(Ongoing Work)   May 2017 - Present
- Developing a new service in Java to send notifications to selected users using RabbitMQ.
- Involved in the architectural design of the new service. Wrote the prototype.

"Archive" Microservice Project for Archiving Old Papers to Cloud Storage   Jan 2016 - June 2016
- Developed 1 microservice in Go to provide paper metadata object from Cassandra NoSQL database.
- Built customized Cassandra Docker cluster for integration testing.
- Did analysis on resource cost to archive 700M old papers. Projected saving on storage cost is $250k/yr.

"Mystique" Project for Integrating Netherlands Back-end System   Jan 2015 - Dec 2015
- Developed the data access layer in Python that interacts with Postgres relational database.
- Wrote unit and integration tests including mock database, achieved 100% code line coverage.
- Added database VM with production schema and data into dev environment for integration testing.

Application Developer Intern	**Excentus Corporation – Dallas, TX**	**Jun 2013 - Aug 2014**

- Developed Spring MVC based web application in Java to monitor production servers.
- Built the frontend using JSP, and backend using multi-threading to collect data from production servers.
- Technology used: Java, JSch, Multi-threading, Spring MVC, HTML, CSS and Bootstrap.

EDUCATION

Richardson, TX	**The University of Texas at Dallas**	**Fall 2012 - Fall 2014**

- Master of Science in Software Engineering, GPA 3.63/4.0

Shanghai, China	**The Shanghai University of Electric Power**	**Fall 2008 - Spring 2012**

- Bachelor of Engineering in Electronic and Information Engineering, GPA 3.76/4.0