Anthony Lau
Software Developer

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Employment

Software Developer	StateFarm	5/2018 – Present, Richardson TX

PL & BL Modernization Devops
- Reduced of staging time by factor of days by redesigning of business rules storage application (**React.js, Spring Boot, MongoDB**)
- Deployed and maintained Gitlab pipelines (**Gitlab runners, Docker, Vault integrations, Kubernetes integrations**)
- Implemented **Prometheus** and **Grafana** dashboard for effort wide telemetry. Helped identify key bottlenecks in administrative process.
- Developed and maintained data fabrication tools in **Node.js** for auto policies.
- Migrated services from IaaS platforms to internal **Kubernetes** CaaS platform.

Software Devloper, Intern	StateFarm	8/2017 - 12/2017, Richardson TX

Automation Center of Excellence (Fall 2017)
- Automated server changes with **Perl** scripts. Reducing server maintenance time.
- Designed UI (**HTML, CSS**) changes to the internal WiFi connection site.

Software Devloper, Intern	StateFarm	5/2017- 8/2017, Richardson TX

PolicyCenter (Fall 2017)
- Developed tests using **BDD** framework with **Selenium** web driver.
- Created **Jenkins** jobs for running hundreds of UI tests concurrently.

Volunteer Experience

Apollo Coding Club	StateFarm	2019-Present, Richardson TX

- Served as a volunteer to introduce girls in middle school Scratch Studio JavaScript

Education

Dallas, TX	University of Texas at Dallas	2014-2018

- B.S. in Computer Science, May 2018. GPA: 3.7

Technical Experience

Projects
- **Cat and lilies (catandlilies.onrender.com)** (2021). One of my favorite board games digitized. Personal project for learning how to use WebSockets and **Vue.js**. Built with **Vue.js**, **Express.js**, and **Socket.io**. Assets created with **Inkscape**.
- **CometThon** (2017). Created school club website for new members to learn about CometThon as well as membership sign up forms. (**CSS, HTML**)

Certifications
- **AWS Certified Cloud Practitioner** 6/2020
- **Certified Kubernetes Application Developer (CKAD)** 8/2019

Languages and Technologies
- JavaScript(Node.js), Java, Python, Bash / Zsh, HTML, CSS, Perl
- Kubernetes, Docker, AWS, Azure
- Gitlab CI/CD, Jenkins, Travis CI
- Vim, Git/SVN, Prometheus, Grafana, Agile/Scrum, Selenium, Inkscape, Vault
- Express, React.js, Vue.js, Spring Boot, PostgreSQL, MongoDB