

Anthony Lau

Software Developer

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anthonylau.dev

Employment

Software Developer	StateFarm	5/2018 – Present, Richardson TX
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PL & BL Modernization Devops

- Led effort to migrate suite wide project from legacy **Jenkins** to **Gitlab CI/CD** reducing pipeline complexity and decreasing test cycle time.
- Reduced planning time by factor of days by redesigning business rules storage application (**React.js**, **Spring Boot**, **MongoDB**)
- Deployed and maintained Gitops Gitlab pipelines (**Gitlab runners**, **Docker**, **Vault integrations**, **Kubernetes integrations**) allowing for more efficient deployments to production.
- 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** and **Gosu** for auto/fire policies eliminating the need for UI test runs for generating policies.
- Migrated services from IaaS platforms to internal **Kubernetes** CaaS platform.

Software Developer, Intern	StateFarm	8/2017 - 12/2017, Richardson TX
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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 Developer, Intern	StateFarm	5/2017- 8/2017, Richardson TX
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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
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- Served as a volunteer to introduce girls in middle school Scratch Studio JavaScript

Education

Dallas, TX	University of Texas at Dallas	2014-2018
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- B.S. in Computer Science, May 2018. GPA: 3.7

Technical Experience

Projects

- **Chess Heatmap(chessheatmap.netlify.app)** (2021). Personal project for visualizing chess moves on lichess.org made with **React.js** and **D3.js**.
- **CometThon** (2017). Created school club website for new members to learn about CometThon as well as membership sign up forms. (**CSS**, **HTML**)

Certifications

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

Languages and Technologies

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- JavaScript(Node.js), TypeScript, 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