

Connor Cox

Experience

- Jun 2021 - **Senior Software Engineer**, *AppOmni*, Remote.
- Mar 2023
- Developed and implemented a modular RBAC permission system, upgrading the entire API to offer customers complete control over their user's access to new and existing features.
 - Restructured core database APIs in cross-functional collaboration, reducing runtime per call by nearly 2 seconds, and refreshed landing page dashboard for improved UX.
 - Developed a dynamic report generation framework using Django and Django Rest Framework, improving efficiency and enabling customers to easily generate custom reports.
 - Held a significant role in team restructuring by defining a Jira workflow focused on productivity and engineer efficiency.
- Jan 2020 - **Software Engineer**, *Coupa*, Seattle, WA.
- Jun 2021
- Modernized a monolithic legacy Python2 codebase to a Dockerized Python3 microservice solution to reach SOC2 compliance.
 - Designed the architecture to implement an external data aggregation tool, assisted in the development of the project and eventually boosted our overall consumed data ingested by 15%.
 - Launched a company wide initiative to use Kafka as a messaging queue then developed a reusable topic partitioning system to allow multiple services asynchronously consume data.
- May 2018 - **Software Development Engineer I/II**, *Yapta*, Seattle, WA.
- Dec. 2019
- Built a greenfield modular platform, composed of multiple RESTful microservices, that moved customers into cheaper hotel rooms seamlessly and increased overall revenue by 35%.
 - Worked with DevOps to define Yapta's new Kubernetes microservice deployment pipeline, reducing the process from 2 hours to under 30 seconds and eliminating the need for downtime.
 - Supported legacy systems, building new AWS infrastructure, and the upgrade to Python3 while building out new features using test driven development.
 - Created a microservice, as a hackathon project, that used Git to automatically tag library versions after a pull request; it was adopted and used in production.
 - Introduced new technologies and cybersecurity concepts to the entire engineering team during lunch-and-learn sessions.
- Summer 2017 **Threat Intelligence Intern**, *Infoblox*, Tacoma, WA.
- Collaborated with cybersecurity team to develop DNS analysis tools accessible via AWS ECS.
 - Analyzed domains hosting malware campaigns using WHOIS, DNS, and custom scripts.

Languages, Technologies and Skills

- Languages C#, Java, **Python3**, Typescript
- Technologies AWS, Codefresh, **Django**, Docker, Flask, Git, Kafka, Kubernetes, Terraform, **Unity**
- Auxiliary Cooking, **Rock Climbing**, Super Smash Bros

Projects

- C, Firebase, **BabyBand** - *Team*
Android Winner at SIC 2016: Real-time IoT infant monitoring device with mobile support.
- Django, RDS **Hikeaway** - *Team*
Winner Big Data Hackathon: Recommend Hiking trails based on progressive user input.

Education

- 2015 - 2017 **Bachelors of Science in Computer Science and Systems**, *University of Washington Tacoma*, Tacoma, WA.
- 2014 - 2015 **Associate of Arts and Sciences**, *Tacoma Community College*, Tacoma, WA.
- Clubs: **Algorithms Club** Division 1 | **HuSCII Coding** Member and Speaker