kylepw@gmail.com
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KYLE WEEKS

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Developer & DevOps Engineer

SKILLS

Product development Python, FastAPI, Flask, SQLAlchemy, Neo4j Graph DB, OpenCTI, PyCTI
DevOps Kubernetes, GCP, GitOps, Gitlab CI, Grafana, Kibana, Sentry, Vertex AI integrations

EMPLOYMENT

Senior Software Engineer, Flashpoint; Philadelphia, PA (Remote)   Jul 2022 - May 2024
Technical Indicators team member responsible for developing and maintaining the company's delivery of Indicators of Compromise (e.g. URLs, file hashes, IPs) to public and private sector customers.

- Developed and maintained a graph-backed RESTful API (*FastAPI, Neo4j, OpenCTI)* that delivers IOCs with unprecedented relationship and contextual data, which helped customers detect and stop threats.
- Tech lead OpenCTI integrations that enabled more contextual data for IOCs from both analysts and automated sources.
- Trained an ML model *(Vertex AI)* to extract IOCs from inconsistently-formatted emails and integrated it into our existing pipeline, providing customers with unparalleled threat information.
- Built an internal authentication API *(FastAPI)* from the ground up with the Auth team, enabling seamless integration with existing systems *(Okta, Salesforce)*.

Software Engineer II, Comcast; Philadelphia, PA (Remote)   Sep 2021 - Jun 2022
SPIL (Sales Partner Integration Layer) team member responsible for operations relating to company's large-scale customer data migration from third-party data store to internal platform.

- Migrated millions of customer records (18 markets) from third-party to internal store by consuming events (SQS, *ECS, DynamoDB*), which provided other teams with faster, more efficient access to critical data.
- Developed and managed microservices (*AWS ECS, Concourse CI*), often providing critical code fixes on tight deadlines that allowed other teams to consume our APIs (*GraphQL*) and reach their respective goals.
- Mentored developers and reviewed code which minimized technical debt and enabled team growth.

Full Stack Developer, CyberFortress; San Antonio, TX (Remote)   Mar 2020 - Aug 2021
Responsible for operations relating to company's e-commerce downtime insurance platform including systems availability, release deployments, and regulatory reporting.

- Developed and managed reporting component of company's insurance platform (*Flask/Django/Vue.js/* K8s) while working closely with Chief Insurance Officer, which led to MGA agreement with major insurer
- Developed and managed a resilient, scalable *GitOps* CI/CD pipeline (*GCP, K8s*) that enabled seamless deployment across multiple repos, simplified rollbacks, and integrated version control.
- Integrated our CI/CD pipeline with Slack (*Google Cloud Function, Slack API*) that enabled a single point of reference to development across multiple repositories and deployment environments.

English Instructor, Osaka City Board of Education; Osaka, Japan   Apr 2014 - Feb 2020
Taught public school students effective communication skills in English and cultural literacy.

OPEN SOURCE CONTRIBUTIONS/PUBLICATIONS

youtube-dl   Added new extractor, code convention docs to embedded video download tool.

Web Scraping in Python: Extract Embedded Videos Like a Boss (Medium)

GitOps and multi-repo versioning (Medium)

EDUCATION

Rutgers University, New Brunswick, NJ   May 2008
BA, East Asian Studies, 3.9 (Summa Cum Laude)