Sijia (CJ) Chen

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About Me

University of Waterloo educated Platform Engineer with 8 years of professional experience who is passionate about building robust and scalable tooling and backend platforms.

Skills

Python3, C#, Serverless, CI/CD, ECS, Javascript, Typescript, Postgres, RDS, Spinnaker, Jenkins/Groovy, Bash, Cypress, React, Kotlin, Kubernetes, AWS Lambda

Experience

Senior Platform Engineer
Autodesk Inc

Jan 2025 – Apr 2026
San Francisco, CA

- Led and onboarded new team focused on platformizing quality tooling and test-data generation
- Designed, developed, and maintained a serverless lambda service using C# and Python, supporting regionalization validation and load testing across distributed systems.
- Collaborated with multiple engineering teams across Autodesk to promote inner sourcing, enabling cross-team adoption and shared ownership.

Senior DevOps Engineer
Autodesk Inc

Oct 2022 – Jan 2025
San Francisco, CA

- Contributed to observability, CI/CD pipeline development, and security vulnerability management for Autodesk Forma, supporting a high-traffic, high-availability cloud service operating under FedRAMP and SOC2 compliance requirements.
- Executed large-scale data migration for a 24x large Amazon RDS instance with 8k QPS between AWS accounts to enable read replicas, failovers and improve performance.
- Led regional deployment of Autodesk Construction Cloud components into new Australian Datacenter to facilitate performance improvements and data sovereignty requirements for customers.
- Led Construction Backend Engineering Town Hall, facilitating cross-team collaboration on shared backend architecture and platform challenges.

Automation Platform Engineer
PlanGrid (acq. Autodesk Inc)

Sept 2018 – Apr 2019, Aug 2019 – Oct 2022
San Francisco, CA

- Developed and maintained CI/CD pipelines and reusable test packages to enable feature teams to build robust automated testing frameworks and improve test quality and coverage.
- Maintained and scaled an internal service responsible for generating, persisting, and dynamically assigning complex project data to users on demand for validation workflows.
- Led monthly meetings and events for Female and Non-Binary R&D members within Autodesk Construction Solutions, fostering inclusion, mentorship, and cross-team collaboration.

Education

University of Waterloo
Bachelor Degree in Honours Computer Science

Sep 2014 – Jun 2019
Ontario, Canada

Internships

Quality Automation Intern
FutureAdvisor (acq. BlackRock)

Jan 2018 – Apr 2018
San Francisco, CA

Co-op Student
Toronto Transit Commission

May 2017 – Aug 2017
Toronto, Canada

Security Data Analyst
Royal Bank of Canada

Sept 2016 – Dec 2016
Toronto, Canada

Mobile Developer
New Signature

Jan 2016 – Apr 2016
Toronto, Canada

Developer
Evermight

May 2015 – Aug 2015
Toronto, Canada

Projects

Household Reporter | *Python, Google Cloud API*
- Fetches transaction reports from Gmail, processes, categorizes and pushes it into Google Sheets

Personal Website | *React, Javascript, Github Actions*
- Portfolio Website originally deployed on Heroku, then Github Pages. Deployed using Github Actions

AO3 Trends — *BeautifulSoup, SQLite, Matplotlib*
- Web Scrapes archiveofourown.org in accordance with the robot.txt file requested rate limit
- Processes tags associated with fan works using NumPy and displays trends in fandoms across time
- Data Storage with SQLite DB and SQLAlchemy