

# Connick Shields

connickshields@gmail.com – 510-761-8132 – connick.me – linkedin.com/in/connickshields – California

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## Experience

### Software Engineer, Baton Systems

*April 2019 - Present*

- Designed, implemented & tested backend REST APIs in Java with Springboot, ActiveMQ, and MySQL for use by frontend applications and other services.
- Managed rollout & use of Netflix's Conductor workflow orchestration engine to run functions relevant to specific business use cases, including MFA authentication and transaction settlement.
- Led integration of Istio with Kubernetes clusters to gather service health metrics and enable painless distributed tracing across applications.
- Developed a Slack bot in Python which fetches service logs and other relevant Kubernetes cluster information to quickly debug service issues or assist in feature development.

### Power BI Intern, Plantronics

*June 2018 - September 2018*

- Built dozens of reports and dashboards with Microsoft Power BI to gain insight into business trends using data from SQL data warehouses and flat files.
- Wrote custom functions and calculations in DAX to manipulate data into usable forms for reports.

### Triage Engineer, Dataway US

*June 2017 - June 2019*

- Acted as the primary point of contact for client communication, either via email or phone, and opened tickets as needed to support client issues and requests.
- Monitored >10,000 devices to notify clients and troubleshoot if any issues were detected.
- Modified firewall (CheckPoint and Palo Alto Networks) policy rules as requested by clients.

### Instructor, iD Tech Camps

*June 2017 - July 2017*

- Taught Introduction to Java, Advanced Programming (Assembly & C++) and 3D Level Design courses.
  - Designed and used lesson plans for actively teaching course materials in week-long 8 student classes.
  - Utilized student and parent feedback to iterate over procedures and lessons for improvement.
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## Education

### Computer Science (B.S.), University of California, Santa Cruz

*September 2015 - June 2019*

- Relevant coursework in Abstract Data Types (C), Algorithm Analysis (Java & C), Operating Systems (C), Comparative Programming Languages, Software Engineering Practices, Advanced Programming (C++), Computer Security and Computer Architecture.
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## Skills

- Programming Languages: Java, JavaScript, Python
  - Technologies: Spring Framework, MySQL, ActiveMQ, Kubernetes, Docker, Istio, AWS, Netflix Conductor, Git, Linux / Unix
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## Awards & Projects

- Dean's Honor List (2017, 2018) – University of California, Santa Cruz
- Cache Calculator - a simple webapp relevant to computer architecture cache & memory access calculations
- garage-pi – a Python application which uses TOTP authentication for opening and closing garage doors via an electronic relay