

# JOSHUA PENG

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## Technical Skills

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**Languages:** Python, Java, C/C++, HTML, CSS, JavaScript, TypeScript, Apex, Kotlin, Linux Bash  
**Developer Tools:** Git, Docker, Ansible, Kafka, Celery Task Queues, Elasticsearch, Kubernetes, Android Studio  
**Frameworks:** React, React Native, Node.js (Express), Django  
**Databases:** MySQL, PostgreSQL, MongoDB, Redis

## Work Experience

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### Fortinet

July 2023 – Present

*Software Developer - DevOps*

- Led maintenance for 2 projects: an innovative antivirus system for unknown threats and a large-scale antivirus testing system, enabling internal teams to efficiently create cyber defenses for **thousands** of users daily
- Integrated a disaster recovery solution by dockerizing the antivirus testing system, reducing system setup time by **80%**
- Built robust **Django (Python)** REST APIs to provide detailed statistics on antivirus systems, ensuring **100%** of newly received files for antivirus testing are always being downloaded
- Provided immediate QA and troubleshooting for critical enterprise and security systems, ensuring reliability and functionality for users. Efforts contributed to **100% SLA** time in the detection of malicious files for several months
- Refactored scripts to resolve old legacy bugs that impaired system functionality, reducing system load by **50%**
- Automated the monitoring and deployments of important file scanners using **Python** cron jobs, **Docker**, and **Ansible** to mitigate user disruptions, potential system errors, and abnormal behavior escalation

### Salesforce (Traction on Demand)

May 2021 – December 2021

*Software Developer Intern*

(8-month term)

- Resolved business infrastructure issues of **4** different client companies by building custom Salesforce solutions
- Implemented user-friendly SFDC Lightning components by utilizing the Lightning Web Component (**LWC**) front-end framework and writing robust **Apex** back-end controllers/triggers for handling database queries
- Delivered requirements on time for deals valued over **\$1M** and provided consistent updates to clients through Jira

### AutoMetrics Manufacturing Technologies

September 2020 – December 2020

*Full-Stack Developer Intern*

(4-month term)

- Developed a **React**-based web application enabling remote real-time monitoring of industrial welding operations, leading to a **20%** improvement in production efficiency and quality for clients
- Configured back-end API endpoints in **Django (Python)** that performed **AI**-powered root cause analysis to accelerate troubleshooting welding abnormalities
- Connected **WebSockets** to seamlessly stream live videos and electrical data from cameras/sensors to the application

## Education

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### Simon Fraser University

Graduated: April 2023

*Bachelor of Science in Computer Science*

- Relevant Courses: Data Structures/Algorithms Analysis, ML/AI, Distributed Systems, Database Management

## Projects

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**JamFam** | *React Native, Firebase, Figma*

- Developed a mobile app designed to help emerging music artists connect and collaborate
- Led a team of 4 in a startup idea through Buildspace (YC S20) and Zerobase, growing a waitlist of **60** users

**Capsule Closet** | *Java, Android Studio*

- Developed a mobile outfit-tracker and closet app aimed to reduce the overconsumption of clothes and textile waste

**Stormhacks** | *React, TypeScript*

- Built the Stormhacks websites ([archive.stormhacks.com](https://archive.stormhacks.com)), an annual hackathon drawing participation from **300+** participants globally