

Dekel Pilli

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TECHNOLOGY SKILLS

- **Proficient Programming Languages:** Clojure, Java, Python
- **Other Languages Used:** Rust, Scala, C, C#, AngularJS, Perl, PHP
- **Technologies Used:**
 - **SQL:** PostgreSQL, SQL Server, MySQL, MySQL Aurora
 - **noSQL/KV:** Aerospike, ScyllaDB, DynamoDB, Redis, RocksDB
 - **Messaging:** Redis, SQS, ActiveMQ, SNS, Kafka, Vector(.dev)
 - **Storage:** SFTP, S3, Minio
 - **CI:** Jenkins, Github Actions, Gitlab CI
 - **Runtime environments:** Docker, Nomad, Consul, various AWS tools (ECS Fargate, Lambda, Step Functions, Glue, EC2), Tomcat
 - Comfortable working on macOS & Linux operating systems.

PORTFOLIO My personal projects are available [here](#).

EXPERIENCE *Core0 (Software Engineer)* September 2020 - present

Working mainly with Clojure services, hosted on remote datacenters, on-premises, and on AWS. Also worked with Rust when better performance was necessary.

Summary

- Implemented a service to manage IoT devices and their lifecycles, capable of sustaining a throughput of over 70k events per second, and integrating with the core logging product.
- General feature development, including database and API design.
- Involved in selection of tooling and strategies, including POCs and performance comparisons, to be used within the product.

Littlepay (Software Engineer)

August 2019 - September 2020

Worked mainly with Spring-based Java microservices on AWS (ECS), including managing infrastructure and deployments via Terraform. Other work included Scala in the analytics platform and various Node Lambdas.

Summary

- Integrated with several acquiring banks, mainly using ISO8583, and PCI-compliant handling of cardholder data.
- Took ownership of the analytics platform, including design, development, and deployments. This resulted in significant stability improvements.
- Lead process and tool improvement through POCs and implementation thereafter.
- Uplifted, deprecated and replaced legacy systems throughout the product streams.

Intelematics (Graduate Developer)

May 2018 - August 2019

Worked mainly with Spring Boot-based Java services hosted on-premises, but was also involved in a push to migrate the existing stack to AWS.

Summary

- Gained experience with a large variety of applications and development styles, ranging from legacy systems to modern cloud native applications.
- Refactored and optimised a multi-terabyte SQL Server database, resulting in significantly improved performance.
- Reimplemented logic using cloud-native microservices to deprecate a monolith, improving performance and reducing costs.
- Single-handedly designed and implemented a major business logic refactor in a legacy system, satisfying all stakeholders and substantially improving the quality of our data.
- Subject matter expert for several microservices.

OHPI (Software Engineer)

February 2018 - October 2018

Casual position offered after completion of the university capstone project. Liaised with the CEO to develop and deploy a Spring-based CRUD backend.

ELIGIBILITY & REFERENCES

- Bachelor of Software Engineering from Monash University.
- I am a Australian citizen.
- My references are available upon request.