

JU YOUNG KIM

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Summary

- 4 years of software engineering experience in the fintech space.
 - Experienced working in a fast-paced, agile and continuous integration environment.
 - Hands-on experience building RESTful web services.
 - Hands-on experience building ETL data pipeline using Databricks, Luigi, PySpark etc.
 - Cloud experience using Azure and AWS services: SDKs, S3, Lambda, Blob store, CosmosDB etc.
 - DevOps experience using Docker, Rancher, Kubernetes (managed clusters), Helm, Cron Jobs, Terraform etc.
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Experience

Primer API Ltd (UK): Backend Software Engineer (Remote)

February 2022 – Present

- Developing FastAPI based apps and frameworks for payment automation and integration tools.
- Integrating multiple payment processors and application connections to the core platform using AWS Lambda, serverless.yml, Docker etc.

Root (Pty) Ltd: Software Engineer

April 2021 – January 2022

- Developed multiple insure-tech features including, client data export to S3, policies document encryption etc. using TypeScript, Node.js/Express.js and PostgreSQL
- Ported user code execution environment from Node.js VM2 to AWS Lambda functions.
- Improved cloud development experience and integration test framework using Localstack.
- Improved the legacy React codebase by refactoring to the new internal web architecture. This involved the use of functional components over class components and deprecating MobX state management.

Praelexis (Pty) Ltd: Software Engineer | Data Engineer

March 2018 – March 2021

- Contributed to the launching of several core credit products at one of the big South African retail banks by productionising financial machine learning models (including neural nets) exposed as RESTful API using Flask.
- Improved machine learning and data engineering pipeline at the bank by designing and implementing a whole new end-to-end workflow using Python Luigi, PySpark and Databricks.
- Provided support for the bank's migration from Azure to AWS and building out enterprise data lake solutions on AWS using PySpark, Airflow, AWS EMR and Glue.

Smart Sorcery: Software Engineer

March 2017 – August 2017

- Developed a proof-of-concept web-based stock valuation app using R and Shiny App for a fintech start-up. Python and SQL used for building the backend system.
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Education

University of Cape Town: **Master of Science**: Bioinformatics, 2018

University of Pretoria: **Bachelor of Science Honors** in Bioinformatics, 2014

University of Pretoria: **Bachelor of Science** in Biochemistry, 2013

Technical Skills

Languages: Python, JavaScript/TypeScript, Julia, R, Go

SDLC & CI/CD: Agile, Git, Bitbucket, Bitbucket pipeline, JIRA, Trello, Confluence, Azure pipelines, Semaphore, Localstack

Web services: Azure, AWS, REST API, Flask, FastAPI, Node.js/Express.js

Front-end: React.js

Database: Azure Cosmos DB, MongoDB, PostgreSQL, DynamoDB

DevOps tools: Docker, Rancher, Kubernetes, Helm charts, Kibana, Terraform, Postman/Insomnia, Azure DevOps, Heroku

Data: Databricks, PySpark, Hadoop, Hive, SQL, Luigi, Airflow, AWS Glue, EMR