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SKILLS

LANGUAGES: Python, Java, Go, Node.js, Typescript, Javascript

PARADIGMS: Functional Programming, Object-oriented Programming, Test-Driven Development, Agile Development FRAMEWORKDS AND SERVICES: Express.js, React, VueJS, Docker, Kubernetes, Google Cloud, AWS Lambda, GraphQL

EXPERIENCE

SENIOR SOFTWARE ENGINEER | MEDICONCEN

SEP 2020 - PRESENT

- Worked on the Blockchain-based Insurtech team, in **Go**, **Python** and **Node.js**. Led a 4-person team to the develop an insurance claim and payment service.
- Containerized existing services with **Docker** and **Azure Kubernetes Service**, enabling easier environments segregation and increasing maximum system throughput from 80 per second to 1000+ per second.

WEB DEVELOPER | WEBS S'UP

APR 2019 - JUL 2020

- Led a 3-person team to develop Document Parsing System with a TDD cycle which resulted in an improvement in report accuracy by 30%, and reduction of monthly report processing time from 14 days to 1 day.
- Reduced image parsing time by 90% by developing an algorithm for running post-processing and OCR services in bulk concurrently with dispatcher pattern.
- Implemented a system capable of handling a 1000 document input parse under 2 minutes versus the requested 30 minutes time-frame.
- Created **test-suites** and **CI/CD** pipelines, increasing system stability and halving release cycle.

FREELANCE DEVELOPER | TIGOD

JUN 2015 - APR 2019

• Designed and created a gift customizing website for a client, with a peak 100+ concurrent users. 3 more variants were created due to customer satisfaction.

PRO JECTS

DOCUMENT COMPARER | Typescript, Functional Programming, Google Cloud

FEB 2020

- Implemented as micro-services using Google Cloud Functions and Firestore, with asynchronous communications facilitated by Google PubSub and Firebase Cloud Messaging.
- Created a Photoshop like UI for specifying key areas in PDF for the initial training of Object Detection Models. using SVG with React and Redux.
- Developed an algorithm for extracting key-value datas from tabular images, by calculating and combining vertices from Google OCR and AutoML Vision Object Detection results.

FOREX SNATCHER | PYTHON, C++, MACHINE LEARNING

Nov 2018

- Created a system in C++ for storing and redistributing tick data from forex brokers, with a <1 ms latency.
- Developed a back-testing suite in **Python**, which simulates forex trading with an interface for testing custom strategy with historical tick data.
- Optimized trading algorithms by using ensemble learning for predictive analysis with **Python** and **scikit-learn**.

EDUCATION

AUSTRALIAN NATIONAL UNIVERSITY