**Marius Andrian Tjandrawinarto**

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Software engineer with experience in both back-end and front-end. My interest in coding is in finding the best technologies to solve customers’ most important needs.

**SKILLS**

* **Languages:** Golang, Python, Typescript, JavaScript
* **Technologies:** PostgreSQL, Docker, Angular, React, Node.js, MongoDB, CSS, Git

**WORK EXPERIENCE**

**Software Engineer,** *Qavar* **Feb 21 – Present**

* + Led the full-stack development of a clinic management system which allows staff to manage patient movement and to assess customer experience metrics.
    - Developed back-end using Golang, PostgreSQL and Docker to integrate seamlessly with client’s existing API. Managed deployment to AWS EC2 using UNIX shell scripts.
    - Designed a mobile-responsive platform using Angular and Typescript which allows instant check-in through scanning QR code. The platform includes a dashboard that enables patient state management, queue advancement and access to patient health records.
  + Built a multi-tenant phishing platform with a subscription and payment engine in two months using Golang and Typescript. Platform is integrated with Stripe API payment gateway to allow customers to subscribe to the platform and use credit cards to pay.
  + Created an automation script using Python and Google Tesseract OCR that extracts text and images from 800 images and transforms them into JSON which cut development time by over 26 hours.
  + Developed web-app that enables users to self-test their device’s keyboard, microphone and screen using Typescript and JavaScript Media Stream API. Results are uploaded directly to AWS S3.
  + Produced a bot using Golang that scrapes news sources, filters by user-defined parameters and sends well formatted and relevant news to 30 different telegram groups for user consumption.
    - Bot is connected to Telegram API and multiple RSS sources
    - Cron jobs are created to pull and sort sources and to distribute news to appropriate channels.
  + Pioneered automated end-to-end testing using Cypress that reduces regression testing time from two hours to a few minutes. Wrote bash scripts to seed database with test data to ensure reproducibility.

**SOFTWARE ENGINEERING PROJECTS**

**Journaly**

* Implemented a full stack app which aims to improve users’ wellbeing by being able to log their mood and journal entries daily. Users can send private messages to others and comment on each other’s posts. They can also answer random community questions that are fetched daily from the database.
* Built APIs to interact with a MongoDB database using Node JS and created front-end using React.
* Implemented Passport.js for authenticating users for login and signup.

**DateApp**

* An app which allows users to find and match with potential partners. Built back-end and front-end for real-time notification system using socket.io as well as chat functionality for matched users. Users are able to filter other people based on their preferences and their geolocation to find those nearby.

**Python Job Scraper**

* Designed a web scraper using Python and BeautifulSoup package that extracts HTML from indeed.com and parse the contents into a csv. The extracted content is customizable depending on the filter used in the script.

**EDUCATION**

**General Assembly Apr 20 – Sep 20**

Software Engineering Immersive

**National University of Singapore Aug 13 - Jun 17**

Bachelor’s Degree in Biomedical Engineering with Honours