**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, 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 for administrators to assess customer experience metrics.
    - Designed a mobile-responsive web app that allows instant check-in using QR code.
    - Created a mobile-responsive admin dashboard for both admins and staff to access patient records, their schedule and their treatment regimen.
    - Suggested new UI designs and features based on client needs.
    - Developed the back-end to integrate seamlessly with client’s existing back-end and database.
  + Built a multi-tenant phishing platform with a subscription and payment engine.
    - Integrated with payment gateway to allow customers to use multiple payment methods easily.
    - Resulted in completion and delivery of the project in two months.
  + Developed a loyalty and discount algorithm based on clients’ business rules for a restaurant POS.
    - The system allows customers to redeem points and coupons.
    - It also allows the client to flexibly change their business rules through simple configuration.
  + Produced a bot 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.
  + Implemented a dashboard for administrators to manage multiple restaurant operations and change their menu items instantaneously.
  + Pioneered automated end-to-end testing using Cypress that reduces regression testing time from hours to a few minutes. Wrote bash scripts to seed database with test data to ensure reproducibility.
  + Wrote unit tests and conducted integration testing in both back-end and front-end.

**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