Matthew Budiman

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Technical Skills

Front-end: React / React Native / Redux, React Context, Flutter, ASP.NET, Handlebars.js
Back-end: MySQL / MSSQL, MongoDB, Docker, AWS EC2, Node.js, ExpressJs, Java EE
Developer Tools: Babel, Webpack, Git, Agile, Scrum, TDD, Artillery.io
Others: Certified Ethical Hacker (ECH), AWS Cloud Practitioner, CCNA Certified

Software Engineering Applications

Grayscale - *MERN retail application deployed AWS to support and handle large quantities of data and traffic*
- Dockerized application to accommodate data scaling and simplify deployment to AWS
- Identified and eliminated performance bottlenecks by load testing with Loader.io and Artillery to achieve over 1400 RPS post deployed.
- Reduced time to interactive to < 1ms by following google lighthouse practices such as pre-defining the images to scale them properly

Merdsave - *Multipurpose mobile app built in flutter that tracks money, contacts, and notes*
- Locally persist data using SqfLite and hive for efficiency and speed
- Integrated firebase auth and storage, allowing user to sync online

SeekerCatcher - *Smart IDS to address the rise in botting*
- Programed AI using LSTM to detect bots from behaviour and time based models.
- Implemented secure authentication using passportJS for secure routing

Papercuts Bookstore - *MERN bookstore / book club deployed on AWS*
- Operated in an eight-person Agile Team to plan/execute projects effectively, retain specified yet versatile responsibilities, and help solve unforeseen tasks and debug framework functionality.
- Efficiently designed database schema and RESTful API to fulfill frontend requirement by normalizing the data

Experience

Accenture - *Software Engineer 2019-2020*
- Designed and researched POC technologies using AI to enhance user-interface and experience workflow
- Implemented and automated a daily monitoring resource system tool in Java
- Supported central CRM platform. Responsible for assessing, prioritizing and implementing change requests.

Rainbow Aquarium Pte Ltd - *Software Engineer 2017*
- Revamped and enhanced company presence online, increasing traffic flow and retail opportunities
- Setup an e-commerce using Singapore's largest shopping portal, Qoo10 which generated immediate revenue once deployed

Education

Hack Reactor - Advanced Software Engineering Immersive Program   2021

Nanyang Polytechnic, Singapore - Degree in Information Technology equivalent   2020