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Balikpapan, Indonesia

Adam Darmawan

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Education

Yogyakarta, Indonesia	**Universitas Amikom Yogyakarta**	**Sept 2017 - Oct 2021**

- Faculty of Computer Science
- Bachelor of Information Technology. GPA: 3.78 / 4.00

Skills

- Languages : JavaScript (ES6), TypeScript, Java, SQL, HTML, CSS
- Technologies : React, Redux, Spring Boot, Docker, Microsoft Azure, Firebase, Node.js, CI/CD, NoSQL
- Tools : Git, GitHub Actions, JUnit, Mockito, Lombok

Projects

Tomateto API

github.com/adamscript/tomateto-api
- Built a social media REST API with Spring Boot in Java.
- Optimized search query time by up to 60% by indexing the data in the database with Hibernate Search.
- Applied test-driven development (TDD) by writing unit tests and integration tests that cover 100+ test cases with JUnit and Mockito.
- Implemented multi-stage build for Docker image builds, reducing build size by up to 70%.
- Identified and solved infinite recursion problem by designing a data transfer object (DTO) which reduced the number of API calls needed to get all the data for a request.
- Designed a solution for bad API requests caused by client error by building a custom response object which validates the request and returns a response status code, status message, and the requested data.
- Built continuous integration and continuous deployment (CI/CD) pipeline for API deployment automation with GitHub Actions.
- Implemented monolithic architecture and deployed the API as a Docker container on the cloud with Azure App Service and Azure Database for PostgreSQL.

Tomateto React, tomateto.com

github.com/adamscript/tomateto-react
- Built a social media single-page application (SPA) with React in TypeScript.
- Optimized image file upload size by up to 70% by implementing image compression with Canvas API.
- Implemented responsive design to support all devices, including desktop and mobile.
- Integrated an authentication system using Firebase Authentication.
- Designed and implemented an error logging system using NoSQL (Cloud Firestore) database.

Auto Rigging Toolkit

github.com/adamscript/Auto-Rigger
- Built a tool for 3D animation character rigging automation with Python and PySide2.
- Optimized rigging process time by up to 90%.

Experience

Digital Media Specialist	**Self-Employed**	**Sept 2021 - Present**

- Collaborated with the Business Development team to design web and mobile app presentations for potential users, deliver social media content, and develop the visual identity for a software house company.
- Managed and delivered multiple graphic design and video editing projects for multiple clients independently.