

# NOOR OCTAVIAN ANWAR

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I am a Software Engineer with 4-years of professional experience who loves to experiment with crafting tech-based solutions and share with others my learning process. Currently, I am maintaining NEMU, a visual programming environment web-app, to assist people in learning fundamental programming concepts. Outside my work, I participate in various events held by the university, government institution, and tech community to present talks and workshops on software development and startups topics.

## SKILLS

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- Languages: (*proficient*) JavaScript, TypeScript (*familiar*) C#, Dart, C++, Java, SQL
- Technologies: NodeJS, React/NextJS, MobX/Jotai, AntDesign/ChakraUI, NestJS, Unity3D, Flutter, GraphQL, Rest, Bash, CI/CD, TDD/Unit Test
- Others: Google Cloud Platform-Firebase, Vercel, Git, Figma

## EDUCATION

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**Universitas Negeri Malang, Indonesia**

**2014 - 2019**

- Bachelor of Arts - BA, Informatics Education

## EXPERIENCES

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**Software Engineer, Degetek Studio**

**Nov 2017 - Dec 2021**

Degetek Studio is a software company that focuses on delivering tech-based solutions for education and business.

- Help PM decide on architecture, system design, tech stack, and timeline development for projects.
- Collaborated with the engineering team to do research and implement an internal tech stack, so the engineering productivity and development process efficiency were increasing 2x.
- Support the CEO did research and development on tech business opportunities, so the revenue grew more than 3x YoY at the end of 2021.

**Research Internship, Department of Information Science Lab.**

**Apr 2018 - Mar 2019**

**Saga University - Japan**

- Do research and development of web apps that integrate Blockly with support C++ and web console so users can learn C++ visually and compile the code online.
- Submission and acceptance of a paper at the 7th International Conference on Information and Education Technology (ICIET 2019), Aizu-Wakamatsu, Japan, by ACM Digital Library.
- Success develops a web app that can enhance the learning process of C++, proved by the result of validation with a score of 94.8% for group trials.

**Game Programmer Internship, Agate International**

**May - Aug 2017**

- Develop a Unity3D library that is highly customizable and has acceptable integration with the Epson EB-595Wi finger touch projector.
- Integrating and developing an interactive wall of the Agate Profile for Indonesia Game Prime 2017 event.
- Successfully delivered the product that increased the engagement and the number of visitors in the Agate booth.

## PROJECTS

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**My Experience Learning Machine Learning**

**2021 - Now**

A web app that shows my learning progress and the implementation of machine learning or AI-related tasks using web technologies, such as TensorFlowJS, React, NextJS and Vercel.

[Link](#) • [Github](#)

**NEMU**

**2018 - Now**

NEMU is a Visual Programming Environment that helps novice programmers practice their sense and knowledge of algorithms. The web app was developed using React, Material-UI, Blockly, Cra16/Cake, and WebConsole-PHP.

[Link](#) • [Github](#)

**SEMAR - The Fiscal Policy Game****2021**

SEMAR is an interactive macroeconomic simulation web-app based that aims to help students understand the fiscal policies of the Indonesian government.

Tech stack: React/NextJS, ChakraUI, Unity3D, GCP-App Engine, Firebase-Storage, and Postgresql

[Link](#)

**Ticketing and Reservation System Kemiren****2021**

Website to help users book tickets for the Kemiren Tourism Village. The site also provides admin features for managing the destinations, schedules, and purchasing tickets that are integrated with Xendit as a payment gateway.

Tech stack: React/NextJS, ChakraUI, GCP-App Engine, Firebase-Storage, and Postgresql

[Link](#)