

Ace Villarta

Bulacan, Philippines

✉ acevillarta8@gmail.com | 🌐 nb429.netlify.app | 📱 nb429

Work Experience

Foundever

PRODUCT ENGINEER

Bulacan

May 2022 - Current

- Developed a React performance overhaul using code-splitting, memoization, and virtualized lists, reducing initial load time from 4.2s to 1.8s (57% faster).
- Built a custom Redux middleware for handling 200+ API endpoints, standardizing error handling and reducing boilerplate code by 40%.
- Implemented MongoDB aggregation pipelines for complex analytics dashboards, decreasing client-side data processing by 90% and enabling real-time updates for 50K+ users.
- Implemented TypeScript across the stack, catching 400+ potential runtime errors during build and reducing production bugs by 60%.

Foundever

PRODUCT ENGINEER INTERN

Bulacan

June 2019 - May 2022

- Developed a dynamic pricing engine based on demand-supply metrics, reducing wait times during peak hours by 15%.
- Set up CI/CD pipelines using GitHub Actions and Docker, accelerating release cycles and reducing deployment errors by 70%.
- Created a fraud detection microservice using Python and Redis, capable of flagging abnormal ride patterns in under 200ms.

Salmon

SOFTWARE ENGINEER INTERN

Remote

May 2017 - April 2019

- Collaborated on the redesign of Creatopy's design editor built with React.js and TypeScript, focusing on enhancing user experience and editor usability.
- Translated complex wireframes and design specifications into a responsive, pixel-perfect user interface, ensuring consistency across devices.
- Developed and integrated new modular UI components that improved editor performance and contributed to increased user engagement and web traffic.

Projects

Bits-Of-Code

COLLECTION OF BLOGS FOR DEVELOPERS

Next.js, Node.js, Redux

GitHub

- Crafted a single-page application with Next.js and Node.js to facilitate the sharing of development blogs.
- Implemented static site generation for accelerated load times and increased efficiency.
- Leveraged Firebase for user authentication and data storage, alongside SWR for efficient data fetching.

Chatify

REALTIME CHAT APPLICATION

React.js, Firebase

GitHub

- Developed a personalized chat room similar to Discord, facilitating resource sharing and engaging in lively conversations with friends employing React.js and Firebase technologies.

Technical Skills

Strongest Areas

Data Structures, Algorithms

Programming Languages

C/C++, Javascript, Haskell, Rust, Python

Libraries/Frameworks

React.js, Express.js, Next.js, Typescript, Webpack, Git, Node.js, Redis, Kafka, Kubernetes, Docker, Laravel

Database

MongoDB, Firebase, PostgreSQL

Platforms

AWS, Netlify, Vercel, Heroku

Education

Bulacan State University

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Bulacan, Philippines

June. 2013 - May. 2017