Ace Villarta

Manila, Philippines

✉ acevillarta583@gmail.com | 🌐 nb429.netlify.app | 💻 nb429

Work Experience

Salmon   *Manila*
PRODUCT ENGINEER   *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%.

Salmon   *Manila*
PRODUCT ENGINEER INTERN   *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.

Kalibrr   *Remote*
SOFTWARE ENGINEER INTERN   *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   *Next.js, Node.js, Redux*
COLLECTION OF BLOGS FOR DEVELOPERS   *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   *React.js, Firebase*
REALTIME CHAT APPLICATION   *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
Database	MongoDB, Firebase, PostgreSQL
Platforms	AWS, Netlify, Vercel, Heroku

Education

University of the Philippines Cebu   *Cebu, Philippines*
BACHELOR OF SCIENCE IN COMPUTER SCIENCE   *June. 2013 - May. 2017*