

# Ace Villarta

Bulacan, Philippines

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## 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