

# Ong Bing Jue

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## Education

### National University of Singapore

GRADUATE, BACHELOR OF COMPUTING (HONOURS) IN COMPUTER SCIENCE (CAP 4.29)

Aug 2018 - May 2022

- **Computer Science Coursework:** Algorithms & Data Structures, Object-oriented Programming, Parallel Computing
- **Computer Science Focus Area:** Programming Languages, Parallel Computing

## Technical Proficiency

**Languages** Java, Typescript/Javascript, Python, C, C++, HTML/CSS

**DevOps** Kubernetes, Redis, Docker, Vercel, Heroku, CMake

**Frameworks** Spring Boot, React, NestJs, Ruby on Rails, VueJs

**Databases** Postgres, MySQL, Clickhouse

## Experience

### Univers Pte Ltd

BACKEND ENGINEER

June 2022 - Present

- Designed and developed a pipeline to aggregate alerts into a ClickHouse database for a site fault detection and analysis dashboard leveraging Java Spring Boot and Azkaban Scheduler, ensuring fast query times and robust data handling
- Integrated existing microservices deployed on Kubernetes to monitoring tools such as Apache Skywalking, Graylog and Grafana increasing ease of operations
- Reduced existing technical debt and legacy dependencies in gateway services, via Spring Cloud and enhanced Spring Security simplifying existing authentication flows
- Took over and revamped a legacy backend application, applying critical security fixes, data migration, containerization, and setting up a comprehensive CI/CD pipeline from scratch, improving system reliability and deployment efficiency

### Univers Pte Ltd

BACKEND ENGINEER INTERN

May 2021 - Oct 2021

- Constructed a new verification tool leveraging Java Spring Boot to check device configuration during product delivery, reducing hundreds of man hours of manual verification by hand
- Extended and build new REST endpoints interacting with PostgreSQL database assisting in alerts and lift management features for Smart Building application
- Enhanced internal regression and integration tests increasing test coverage using Junit, Mockito and Wiremock
- Managed IoT devices through use of company's AloT EnOS operating system

### EduDrift Pte. Ltd.

FULL STACK DEVELOPER INTERN

May 2020 - Jul 2020

- Executed design of company's landing page seen by hundreds of company's business clients
- Implemented a scheduler, program forms and a ticketing booking page using Typescript React with Material UI, Formik, Next.js leading up to company's platform release
- Designed an extensible database table in Postgres with TypeORM and created its module, controller and REST api in NestJs for Bookings in an online ticketing platform
- Interacted closely with product team to obtain user requirements and enhanced overall customer satisfaction
- Hosted and deployed Vercel and Heroku projects with Git integrations

## Projects

### C-Lite evaluator

PAIR DEVELOPER

Aug 2020 - Dec 2021

- Build the frontend parser and build AST using ANTLR4
- Implemented function calls and parameter passing for C-Lite evaluator
- *(Skills Learnt):* ANTLR4, Typescript

## Extracurricular Activity

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### Improvper Conduct

PERFORMER

Jan 2021- Present

- Performed a series of improvised show to hundred audiences in *Panik Mode TV*, *Panik Room 4D*, *PANIK & MYST3RY: 100 WITNESSES*
- Performed at esplanade concourse show *pRINTING ERROR!!!* flipside

### NUS Stage

EX-VICE PRESIDENT, MEMBER

Aug 2018 - Aug 2023

- Performed and worked as an ensemble in the productions of *A Golden Record 2.0*, *A Disappearing Number* and *Shook* under famous artistic directors
- Planned, organized training activities and assisted with internal productions