

Abhinav Behal

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work experience

IMC Trading

Feb 2020 - Present

Software Engineer

Working on low-latency trading systems primarily in C++ and Java.

- Lead development efforts for the Tokyo Stock Exchange (TSE) migration that went live a day before the 2024 US election. All systems worked and were stable.
- Lead all development tasks for TSE, including a complete migration of all order-side systems to a new C++ order gateway.
- Developed a web-based API that allows engineers to quickly and intuitively view network data. Has been instrumental in debugging and fixing countless production issues.
- Developed a performance visualisation tool that monitors feed and order components across all APAC exchanges.
- Delivered a feed-side component for the OSE J-GATE 3.0 migration that transforms market data for use in valuation - worked seamlessly on go-live.
- Collaborated with IMC Chicago to deliver a new book history visualisation component for all 16 OCC exchanges.
- Delivered and worked on various exchange connectivity components across HK, JP, KR and Chinese exchanges.
- Trained an experienced engineer to take over TSE development tasks, and separately mentored two graduate engineers.

ecoPortal

Nov 2018 - Feb 2019

Development and Implementation Intern

- Created a full-stack web application for tracking client usage statistics, using Vue, Express.js, and MongoDB.
- Developed new features for an internally used chrome extension in AngularJS.
- Contributed to on-going software configuration tasks using a custom Lisp dialect.

Enghouse Interactive

Mar 2017 - Feb 2018

Software Engineering Intern

- Created reusable audio editing components for use in desktop and web-based applications, using C#, WPF, and Angular.
- Developed a standalone chat-bot application using C# and WPF that is used for client demonstrations.
- Implemented additional functionality in an internally used testing tool in C# and WPF.

education

University of Auckland

2016 - 2019

BE(Hons) in Software engineering

First Class Honours

GPA 8.50/9.00

awards

Dean's Honours List

Awarded to the top 5% of engineering students in each specialisation. Received in each year of my degree.

First in Course Awards

Achieved in various courses throughout University, including *High Performance Computing*, *Software Architecture*, and *Object-Oriented Software Construction*.

skills

Languages

C++, Java, Python, SQL

Other

Kubernetes, Helm, Linux, Git

references

Available on request.