

# HENRY HEIN

FRONTEND DEVELOPER

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Remote EU/Asia Timezone

[www.github.com/henry-deriv](https://www.github.com/henry-deriv)  
[www.github.com/henry-hein](https://www.github.com/henry-hein)

[henryhein.netlify.app](https://henryhein.netlify.app)

## SKILLS

- HTML5
- CSS / SCSS
- CSS in JS
- React.js
- Next.js
- Typescript
- Javascript / JQuery
- Mobx / Redux
- Jest / React Testing Lib
- CI / CD process
- TDD environment
- Git
- NodeJS / ExpressJS
- GraphQL
- Mobile Responsive Design
- Websocket
- REST API
- Scrum / Agile development

## EDUCATION

### Bachelor of Applied Science, Electronics Engineering

Simon Fraser University / Vancouver

Sep 2012 - Dec 2017

## WORK EXPERIENCE

### Frontend Developer

Kuala Lumpur, MY

Deriv / Oct 2022 - Present

Working as a frontend developer responsible for maintaining two trading platforms and three repos with millions of daily active users in React, Typescript, Websocket API, Mobx, Vanilla JS, JQuery, and Jest. I am actively involved in implementing CI/CD practices to ensure seamless code integration, testing, and deployment.

- Collaborated with cross-functional teams that consist of Project Managers, Business Analysts, Quants, and other developers in a Scrum/Agile environment to launch a new trading contract
- Developed new reusable user-facing components in React Typescript that aligns with Figma design and branding along with comprehensive unit test coverage in Jest and React Testing Library
- Conducted code reviews, offered feedback, and suggestions for improvement to ensure code quality, adherence to coding standards, and prevent bugs

### Frontend Developer

Remote

BlueCol / Jan 2022 - Oct 2022

Worked as a contractor to design and develop B2B invoicing SaaS web app that consists of React, Next.js, Apollo, GraphQL, KeystoneJS, and Git.

- Wireframed, designed, and programmed mobile responsive UI/UX of the application while maintaining brand consistency
- Refactored code to improve readability and created reusable components for faster development in Next.js
- Wrote GraphQL queries and mutations to create API that interacts with client-side code

WORK EXPERIENCE

Full-Stack Web Development

Vancouver, Canada

Self-Learning / Aug 2021 - Oct 2022

Taught myself how to program websites in HTML, CSS, JS, NodeJS, ExpressJS, MongoDB, and React, as well as, continuous development via Heroku, Git, and, Netlify.

- Created React mobile responsive League of Legend Champion List web app that pulls data from API and has search, filter, and carousel functionalities
- Designed and built mobile responsive currency converter that interacts with open source API using React, Bootstrap, CSS, Heroku cloud, and Git
- Created Full-Stack restaurant directory with Login/Logout, Auth, Password reset, and edit individual stores using NodeJS, ExpressJS, and MongoDB

Facilities Service Clerk

Vancouver, Canada

Simon Fraser University / Jan 2019 - Dec 2021

Worked as part of SFU Surrey Facilities Team to ensure campuses operate smoothly.

- Employed teamwork, problem solving, and analysis skills to handle maintenance requests such as fixing leaks, broken doors, and hanging white boards
- Provided excellent customer service to internal SFU staffs and ensured all requests were handled in a timely and respectful manner

Electronic Test Engineer

Vancouver, Canada

Innovative Circuit Technology / Jan 2018 - Dec 2018

Worked as part of R&D Team, responsible for procurement, assembly, testing, documentations, and debugging power electronic systems, which led to company savings of \$100,000 in six months.

- Created test plans, performed tests, and documented findings for magnetics for power converter systems, which decreased core temperature by 5°C
- Collaborated with supply chain, manufacturers, engineers, and technicians, thereby, resulting in early arrival of components by average of 1 week

Hardware Test Engineer

Vancouver, Canada

TRIUMF / Sep 2016 - Dec 2017

Worked as part of Beamline Diagnostics Team, responsible for procurement, assembly, testing, SPICE simulation, documentations, and debugging beamline electronics.

- Diagnosed, and repaired electronic circuits, assembled mechanical casings, and created cable harnesses which improved assembly time by 5 minutes per unit
- Communicated with PCB manufacturers, component suppliers, and team members to ensure all specifications and components arrived early by average of 4 days

Embedded Systems Integrator

Vancouver, Canada

LineSpect / Sep 2015 - Apr 2015

Worked at a start-up company in prototyping hexcopter that inspects faults in power line. Was in charge of integrating, troubleshooting, and designing sensor electronics that reads EMF info from power lines.

- Characterized Signal to Noise ratio of Ultrasound and Ultraviolet sensors and designed circuits that improved Signal to Noise ratio each sensor by 10%
- Designed and Integrated motors, sensors, antennas, and lithium battery that reduced weight of hexcopter by 10%, which improved flight time by 5%

INTERESTS

- Travelling
- Cooking
- Basketball
- Soccer
- Hiking
- Kick Boxing