

Dean Phommahaxay

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Career Objective And Personal Statement

As a Software Engineer, my recent graduation is complemented by substantial practical software development experience, significantly accelerated during my time at a Y Combinator-backed startup. While technical proficiency is a cornerstone of my skill set, my greatest asset lies in my ability to collaborate effectively within diverse teams, whether they are technical or non-technical. With a unique blend of technical expertise, interdisciplinary interests, and a passion for collaborative teamwork, I am excited to contribute to the next wave of technology innovation.

Professional Experience

Contractor Software Engineer - Taggun

Aug 2023

- Successfully implemented modern OCR and AI techniques to extract customer details from invoices, leading to the potential for a significant increase in the company's Monthly Recurring Revenue (MRR) by an estimated \$3k-\$6k NZD.

Software Engineer - Segna (YCW22)

Feb 2022 - Dec 2022

Software Engineer Intern - Segna (YC W22)

Nov 2021 - Feb 2022

- Developed and maintained Segna's web platform and UI component library, using React.js and TypeScript, adopted by the company's first paying customers.
- Led and collaborated in the development of a new website and blog using Next.js during Y Combinator, driving increased website traffic during a high-growth phase.

Participant - Amazon Web Services Early Careers Innovation Program

Aug 2021 - Oct 2021

- Dedicated 3 nights a week during the semester to develop essential technical and non-technical skills for the cloud computing industry.
- Competed in a case competition focused on the advantages of migrating data from in-house to the cloud and leveraging AWS cloud services to achieve company growth objectives.

General Engineering Summer Intern - Scott Package Handling Systems

Nov 2020 - Feb 2021

- Contributed extensively to a R+D project, integrating a Honeywell scanner JavaScript SDK with an existing database system.

Education

Bachelor of Engineering (Honours) - Software - University Of Auckland

2020 - 2023

- Part I Engineering Dean's List
- Top Achievers Scholarship (Worth \$20 000 NZD)

NCEA Level 1, 2 and 3 with Excellence Endorsement - Rutherford College

2015 - 2019

- Proxime Accessit (Runner Up Dux Litterarum)
- Deputy Head Boy
- First XI Football Team

Projects

- [ConstructQA](#). A final year research project that researches modern AI, ML, NLP techniques and implements a question answering system for the construction industry to reduce the time searching through long text documents such as building specifications and contract clauses. Frontend in React.js, backend in Python Flask and Hugging Face transformers to develop and train the QA model.
- Extending University of Auckland's [Human Aspects of Software Engineer Lab \(HASEL\)](#) booking and management system with new features and tooling. This is a part of a University course that practises Agile/Scrum methodologies and uses the MERN stack, with Material-UI component library.
- Developed my [portfolio website](#) in Next.js/React.js and TypeScript with Chakra UI component library.

Interests

My passions lie in football (soccer). I play at club level in the men's first team where I train two/three times a week and play on the weekend. I have played in representative teams and regional as well as national tournaments. Football is a large part of my identity and motivator to my discipline and resilience.

I also enjoy volunteering and giving back to the community. For the previous two November's, I covered 100km in running/walking for the charity Movember to increase awareness around men's health. So far I have raised \$1240.

References

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