Zachary CHAN Jia En

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I’m an aspiring **Full Stack Developer** with a passion for building functional and user-friendly web applications. I’ve recently completed a 3-month Junior Full Stack Developer certification program at Temasek Polytechnic, where I gained hands-on experience in **Java**, **Spring Boot**, **React**, **JavaScript**, **MySQL**, **HTML/CSS**, and **Bootstrap**.

My background also includes **version control** (GitHub, Bash), which I utilized to collaborate effectively on team projects like creating a social media website during my capstone.

Beyond technical skills, I bring a detail-oriented mindset and a knack for learning quickly. Combined with my growing expertise in full-stack technologies, I’m ready to take on challenges in the tech world and contribute to innovative projects.

# Experiences

**Full Stack Developer Trainee | Nov 2024 - Mar 2025**

**Generation SG/Temasek Polytechnic**

* ***Developed a mobile reactive webpage based on a specific layout (Colmar Academy webpage)***
* Developed a JavaScript console based game - Find Your Hat
* Completed our capstone project - A social media website for plant lovers using Java Spring Boot for the backend, and JavaScript/HTML & Bootstrap/CSS for the frontend. Information displayed on the front end is stored in a SQL database
* Learned Full Stack Developer relevant skills: JavaScript, Java, Spring Boot, React, MySQL, HTML, and CSS

# Data Entry Clerk | Nov 2021 - Feb 2022

# Innoquest

* ***Derived and handled information from medical tests into a database***

# Administrator | Nov 2019 - Dec 2019

# TTK Services (Landscaping)

* ***Authorized and oversaw the allocation of stock and equipment***
* ***Finalized and submitted detailed work reports to management***
* ***Performed diverse administrative tasks***

# Research Intern |  Jan 2017 - Dec 2017

# NUS Avian Evolution Lab

* ***Analyzed bird specimens using subsampling***
* ***Designed and conducted a public opinion survey project on urban birds, creating targeted questions and interviewing participants***
* ***Operated radio tracking equipment to monitor and collect data on wild jungle fowl and pigeons***

# Skills & Competencies

* ***Version Control: GitHub and Bash***
* ***Intermediate:*** 
  + ***HTML, CSS, JavaScript, React.js and Next.js***
  + Java, Spring Boot, MySQL
* ***Beginner:*** 
  + ***Python, C++, C#***

# Education

# National University Of Singapore | Aug 2013 - May 2016

* ***Studied life sciences with a focus in ecology***

# NUS High School  |  2012

* ***Diploma major: Biology, Chemistry and Mathematics***
* ***Related work: ARP (Advanced Research Project) on the Ecology of Yellow-crested Cockatoos in Kent Ridge Environs***