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 **NodeJS**, **Java**, **SpringBoot**, **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.

# Skills & Abilities

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

# Experience

## FULL STACK DEVELOPER TRAINEE | GENERATION SG | 2024 NOV - 2025 MAR

* ***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

## DATA ENTRY CLERK | INNOQUEST | 2021 NOV - 2022 FEB

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

## ADMINISTRATOR (LANDSCAPING) | TTK SERVICES | 2019 NOV-DEC

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

## RESEARCH INTERN | NUS AVIAN EVOLUTION LAB | 2017

* ***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***

# Education

## #GETREADYSG FULL STACK DEVELOPER TRAINEE | GENERATION SG | 2024 NOV - PRESENT

* Learned Full Stack Developer relevant skills: JavaScript, Java, Springboot, React, MySQL, HTML, and CSS.
* Completed and presented related capstone project - Root Squad social media website.

## NUS HIGH SCHOOL DIPLOMA | 2012

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

# Languages

* ***Speaks and writes: English and Chinese Mandarin***
* ***Understands: English, Chinese Mandarin and Hokkien***