Nathaniel Angelo Calimag

Singapore Frontend Web Developer

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SKILLS

Frontend: HTML5 • CSS3 • SCSS • JavaScript • TypeScript • React • Next.js • Angular • Vue 3
Backend: ExpressJS • NodeJS • MongoDB • NestJS
Other: Web Design • Git • GitHub • Python

EDUCATION

National University of Singapore   *Aug 2022 – Jun 2026 (expected)*
Bachelor of Computing in Computer Science
- Took NUS CS1010X Programming Methodology (Python and Java) in Jan 2022 prior to matriculation.

Temasek Junior College   *Jan 2018 – Dec 2019*
GCE A-Level (Physics, Chemistry, Mathematics, Economics)
- 88.75 rank points, Academic Excellence Award (Distinction in all content subjects)

WORK EXPERIENCE

Web Developer Intern - *Works.so*   *Feb 2022 – May 2022*
- Built responsive landing pages with TypeScript, Angular, SCSS & ChartJS from UI/UX wireframes.
- Programmed REST API for application system to let users submit applications with Node.js, Express and MongoDB, and built the respective frontend application flow with RxJS and Reactive Forms.
- Implemented user profile/settings backend functionality and web interfaces with Firebase authentication, email OTP verification, form validations, and error handling.
- Utilised Amazon Web Services S3 for image and file uploads to allow users to update profiles/applications.
- Developed admin features to allow admins to list, view and update user applications assigned to them.

Admin Support Assistant - *Singapore Armed Forces*   *Jan 2021 – Jan 2022*
- Created pivot tables in Excel to summarise data and coordinated appointments for supervisors

Teaching Intern (Physics and Mathematics) - *Ministry of Education*   *Jan 2020 – Mar 2020*
Ping Yi Secondary School
- Planned and conducted several lessons for lower secondary students, and supported lessons for other teachers.
- Led a team of students to organise and run school activities for events such as Total Defence Day

PROJECT EXPERIENCE

SGUniStats - *Vue*   *Sep 2021*
https://sgunistats.com
- Designed UI / UX and developed a responsive, interactive web application with JavaScript and Vue
- Achieved **first Google search result** for 30+ search terms (such as *igp calculator, rank point calculator*)
- Managed SEO to achieve over **30,000 Google clicks** and **200,000 search impressions** in the **first 6 months**.
- Integrated Google Adsense to generate profits, resulting in a peak revenue of **$75 in one day** and over 250,000 advertisement impressions in the first 6 months.
- Incorporated Tailwind CSS to produce accessible and modern visuals for both mobile and desktop devices

Personal Website - *React and Next.js*   *Nov 2021*
https://nathanielcalimag.com
- Utilised static site generation with Next.js for better SEO support through greater search engine visibility

COURSE EXPERIENCE

CS50x: Introduction to Computer Science   *May 2020 – Jan 2021*
Harvard (EDx Certificate)
- Massive Open Online Course covering algorithms, data structures and memory management in C and Python