

YAN WYE HUONG

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Experience

AP Origin, *Software Engineer*, Mar 2016 – Present

Design database schemas and data modelling. Build applications front to back with leading technologies such as GraphQL and React/React Native. Develop and optimize backend APIs (NodeJS) for client applications, provide AWS cloud DevOps.

Sprubix, *Technical Lead, Co-founder*, Jul 2014 – Jun 2016

Spearheaded product development. Designed and built the entire application stack in 8 months, utilizing AGILE and Lean methodologies. Conducted early-stage customer interviews to achieve problem-solution fit. (Laravel, Swift, Firebase)

Demoreel: <https://goo.gl/zgDMXD> *Interview*: <https://goo.gl/D3Wtdz>

Takatak Technologies, *Platform Engineer*, Jul 2014 – Mar 2015

Designed and built the core of the TackThis! platform, integrated with other platforms, payment solutions and services. Performed code audits and design reviews of the platform and applications. (Laravel, AngularJS, MariaDB)

Acquisition: <https://goo.gl/N2DRfZ>

SAP, *Software Development Intern*, May 2012 – Dec 2012

Provided technical development on business cases related to Logistics and Urban Development, built a prototype cloud retail solution for supply chain collaboration and interaction through social media and indoor localization. Project successfully clinched a pilot run contract with Asia's leading cosmetics distributor – LuxAsia.

Education

Nanyang Technological University (NTU), Singapore

Bachelor's Degree with Honors in Engineering (Computer Science), Aug 2010 – Dec 2013; GPA: 4.44/5.0 (*2nd Class Honors, Upper Division*); Representative coursework: Database Systems, Data Structures & Algorithms, Object-Oriented Programming, Software Engineering, Advanced Data Management Techniques, Natural Language Processing;

Award: *Enhanced Learning in Infocomm Technology Scholarship (ELITE)*, Jan 2011 – Dec 2013, a talent development program, eligible by university nomination and IDA invitation, that aims to develop industry-ready infocomm graduates.

Nanyang Polytechnic (NYP), Singapore

Diploma in Digital Entertainment Technology, 2005 – 2008; GPA: 3.6/4.0; Game portfolio: <http://vimeo.com/1514966>

Informatics Academy (NCC Education), Singapore

International Diploma in Computing, 2005 – 2006; GPA: 3.3/4.0; Global provider and awarding body of British education.

Projects

NearAsk, Location-based Community Mobile Application, *Software Engineer*, Jul 2016 – Present

NearAsk is the best way for residents to know what is happening around their neighborhood. Connect neighbors together to exchange services such as babysitting, tuition and more. Built the server-side from scratch, developed APIs and algorithms on the application level, and performed systems design on the architectural level. NodeJS, GraphQL, Docker, AWS.

Personalized Traffic Information Analytics, Final Year Project, *Undergraduate Researcher*, Dec 2012 – Dec 2013

Area: Analysis on Spatiotemporal Urban Transportation Data, Intelligent Systems, Computational Intelligence
Authored and developed PETRINA, which was presented at the ACM SIGSPATIAL 2014 Conference in Dallas, Texas. PETRINA is a traffic-related incident monitoring, mapping and analytics service that processes real time traffic incident data. Text and image data is successfully stored and analyzed, depicting different spatiotemporal concentrations of various traffic activities. Spring MongoDB, Web technologies and visualization. <http://vimeo.com/73961230>, *Demo paper accepted*.

Florada, Microsoft ImagineCup Mobile Game Application, *Developer, Lead Designer*, Feb 2012 – May 2012

Theme: Eco-Technology. Designed the application skeleton and architecture, and implemented artificial intelligence, animation and core modules. C#. <http://vimeo.com/112471653>, Competition semi-finalist.

...more projects in LinkedIn

Skills

Technologies: JavaScript, Python, PHP, C#, SQL/NoSQL, React/React Native, NodeJS, AWS, GraphQL, Docker.

Certifications: AWS Technical Essentials, Architecting on AWS, Datastax Apache Cassandra Certified Professional, Udacity Deep Learning Nanodegree Foundations.

Languages: Fluent in spoken and written English and Mandarin. Basic grasp of the Japanese language (JLPT N5).