

Company Profile



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Vision-Mission

*There is an ineffable quality to some technology,
described by its creators as concinnitous,
or technically sweet, or a nice hack –
signs that it was made with great care by one
who was not only motivated but inspired.*

Neal Stephenson, *The Diamond Age*

We are a small engineering company based in Kuala Lumpur. Incorporated in 2000, amidst the dot-com bust, we have since been driven by our **passion** to provide quality engineering services. Committed to creating designs that satisfy a specific criteria of **elegance**, we pledge to produce work that is truly inspired.

Our Story

Our story began with a simple idea – that all problems can be solved with the right application of technology.

Although incorporated in 2000, our first commercial software – a comprehensive browser-based school management system – was released in 1997 and trialed at Presint 9, Putrajaya. We are continuously guided by the lessons learnt through this initiative.

Our fledgling team then went on to design a mobile authorisation service, which became the only two-time Top 10 phase-one winners of Venture 2001 and 2002 organised by McKinsey & Co, besting thousands of other teams from more established outfits. While the global financial situation at the time dampened venture capital flow, the lessons learned and connections made have gotten us this far.

Further strengthening ourselves by designing hardware, our world-class microprocessor designs have found use in academia and industry, powering the core of several technology products from US/EU by 2010. Our IP cores are delivered alongside software drivers, libraries, and operating systems support – simplifying integration with other technologies.

Today, we are capable of performing hardware-software design and development, under one roof – from silicon to software. While many companies claim to be able to do one or the other, few are able to lay claim to having the experience and record of doing both.

From humble beginnings, we have grown our culture of engineering elegance, now serving dozens of clients in the region.

Lessons for M
show off Easy
Education
software

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NEWS

March 3 1997

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old In.Tech last week.
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will sell it

Schoolboy entrepreneur seeks distributors



Shawn Tan explaining his

Our Founder

Dr Dr Shawn Tan began programming in primary school and developed software in high school. He was dubbed a *computer genius* by local press in the 1990s.

This trajectory led him to a PhD in Engineering from the University of Cambridge. Upon completing his studies abroad, he returned to serve the government of Malaysia in information security.

He is a Chartered Engineer with the Engineering Council, UK; a Professional Engineer with the Board of Engineers, Malaysia; and a law graduate of the University of Malaya. He was a research fellow with TM R&D; an academic at UCSI University; an auditor for TechnoFund; and industry advisory panel member to UTHM.

His accomplishments were recognised by the Institution of Engineering and Technology, Malaysia who awarded him the Young Engineer Award in 2014.

Our Services

We do everything from silicon to software.

Chip Design

*Custom pre-silicon designs of microprocessors,
peripherals and algorithmic accelerators.*

AEMB/2 is our most successful CPU design, to date. It has been bench-marked by researchers from TU Delft as the **smallest** and **fastest** in its class.

In 2007, it was used as the core processor inside the world's #1 software-defined radio device – USRP2.

We have also worked on mixed-signal radar motion detectors; and digital crypto-currency accelerators.

Efficiency is our emphasis.

Cloud Administration

Secure administration services to maintain, manage and monitor your cloud infrastructure.

Whether commissioning, deploying or maintaining computing infrastructure, we are happy to architect such systems to cater to a variety of needs including computing, database, networking, and storage scaling capacities.

We have also performed threat surface analyses for fin-tech companies; and performed diagnostics of compromised systems.

Security is our secret sauce.



Code Development

Bespoke software development ranging from operating systems to mobile and cloud applications and services.

With roots in software going back decades, we have aided numerous organisations in automating their manual business processes.

Although our first product was a browser-based desktop application used to manage smart-schools, we have since developed a number of **web** and **mobile** first properties for our clients – ranging from non-profits to medical services.

We have also migrated classic embedded systems products to RTOS-based systems.

Simplicity is our goal.



Consulting

Boutique consulting services including engineering design, technical training and project management.

Over the years, we have supported **thousands** of engineers from various multi-national companies, including several Fortune 500 technology firms.

Our wide-ranging comprehensive coverage include:

- Real-time Operating Systems
- Web and Information Security
- C/C++ Programming Optimisation
- Reliable and Defensive Programming
- Embedded Linux and Driver Development
- Software Architecture and Design Patterns
- Secure Boot and Trusted Execution Environment

Satisfaction is our guarantee.