

# Vivian Chan, Senior Software Engineer

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A pragmatic, highly-motivated and eager-to-grow **jack-of-all-trades** experienced in **full stack development** in her quest for an empowering, risk-embracing, and open-minded team. Started out with a decently paid programming job, transformed through working in an inspiring team, and eventually discovered and grew her passion into crafting solutions through software.

## Professional Experience

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### Senior Software Engineer at Expedia in Seattle, Mar 2015 - present

*Expedia is the world's largest Online Travel Agent (OTA).*

Led the technical directions of a customer facing product with a team of 13 multi-location engineers.

- **Designed and architected solutions** from product features, testing framework to continuous deployment pipeline, and system monitoring. Main languages used are `Java`, `Scala`, `JavaScript`, `HTML` and `CSS`
- **Reviewed design and code** for changes made by other team members and provided guidance to ensure good practices are followed.
- **Initiated directions** to improve and optimize the stability and efficiency of the system, e.g. Improved sandbox setup using `docker`, `feature testing` over `junit` test, and keep compliant with the latest company infrastructure.
- **Coached and mentored team members** to be engineers with ownership, confidence and autonomous. **Empowered members** by sharing knowledges and allowing rooms for mistakes.
- **Support live-site issues** on an `AWS` cloud backed stack by investigating through the `statsd` and `collectd` metrics and `splunk` logs, and by collaborating with other teams for any network/infrastructure related issues.
- **Coached and evangelized engineers** from within and outside of the team to practice Read-By-Refactoring skill to improve Expedia wide code quality.
- Designed, coded and supported **2 tools for Expedia wide engineering team**. They are a `NodeJS` tool to monitor metrics of company standard application and a `Java` library to manage external API services like Hystrix.

### Software Engineer II at Expedia in Seattle, Oct 2008 - Mar 2015

Worked in 3 different teams over 6+ years to earn a broad experience to solve different types of problems in different domains.

- Developed and shipped **high-traffic and highly-available products** including an ads management system, e-commerce website **AirAsiaGo** (<https://www.airasiago.com>) and tens of product features in all Expedia websites.
- **Developed, tested and shipped** cross-browser, responsive, retina-ready features and modules built with `HTML5`, `JavaScript` - `jQuery` - `CSS3 (LESS)`, `SVG`, `sprites`, etc. on top of a `Spring (Java)` back-end.
- Built and supported deployment pipeline to deploy the stack to the `AWS` cloud using `cloud formation template` and `chef` script.
- Migrated and supported a company wide **ad serving system** from `doubleClick` to `google ads` platform.

### Contract Software Engineer in Test at Microsoft in Seattle, Aug 2007 - Aug 2008

*Microsoft is the world's leading producer of computer software.*

Developed test tools for Microsoft Exchange in `C#`

- Converted existing test cases to use the newly implemented test user framework.
- Owned a topology by keeping the topology up-to-date.
- Fixed bugs found in the automation tests for the current milestone.

### Contract Software Engineer at Getty Images in Seattle, May 2007 - Aug 2007

*Getty Images is a stock photo agency with 80 million still images.*

Developed a web prototype that integrates with Adobe Bridge.

- Developed object oriented `javascript` classes to handle client interaction and to integrate with the callback functions.
- Altered the existing website to incorporate the scripts developed above.

## **Web Master at Northland Services** in Seattle, Mar 2006 - May 2007

*Northland Services is a container shipment company with ~100 employees.*

Designed, developed and supported 3-tier external company website and internal web applications.

- Created mockup to illustrate the workflow of an internal website.
- Designed and developed data layer in `SQL` and business logic in ADO.NET and C#.
- Rebuilt the company website by developing web pages using `HTML`, `CSS`, `ASP.NET`, `XML`, and `JavaScript`.

## **IT Analyst at Weyerhaeuser** in Seattle, Jun 2003 - Mar 2006

*Weyerhaeuser is one of the world's largest private owners of timberlands.*

Stewarded 5 web applications by providing support to production issues and developing enhancements.

- Developed data layer in `SQL` and business logic in a `COM+` component.
- Developed web pages using `ASP`, `HTML`, `CSS` and `VBScript`.

## Education

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**Bachelor of Science in Computing and Software System**, at **University of Washington**, Seattle, WA

**Bachelor of Science in Chemistry**, at **Chinese University of Hong Kong**, Hong Kong