DAVID YEE

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EDUCATION

University of Alberta	**Edmonton, AB**
B.Sc. First Class Honors Computing Science with Science Internship Practicum	*Jun. 2017*

- **Certificate:** *Computer Game Development Certificate*
- **Leadership:** *Science Faculty Association - Director of Web Design* **2013 - 2015**
- **Publications:**
  - *Medical Image Compression based on Region of Interest using Better Portable Graphics (BPG)* ***IEEE SMC 2017***
    Jul. 10 2017

TECHNICAL SKILLS

- **Languages:** *Fluent:* .NET Core, C#, SQL (Postgres, SQL Server, SQLite), Swift iOS, Java SE
  Proficient: JavaScript, TypeScript, Xamarin, OData, Node.js, HTML/CSS, Python, Java EE
- **Libraries/Frameworks:** Angular, EF Core & Hibernate ORMs, Telerik Kendo UI, Bootstrap
- **Project Management & DevOps:** Azure DevOps, Jira, Confluence, Bitbucket
- **Software:** Git, Visual Studio, Eclipse IDE, Xcode, WebStorm, IntelliJ, Adobe Creative Suite, WordPress
- **Infrastructure:** Azure (App Service, SQL Server, VMs), AWS (EC2), Windows Server, Debian, Ubuntu, VMware ESXi, Apache, Nginx, IIS
- **Certifications:**
  - Oracle Certified Professional, Java SE 8 Programmer II (OCPJP) ***Jan. 2017***
  - Oracle Certified Associate, Java SE 8 Programmer (OCAJP) ***Nov. 2014***
- **Other:** Participation in online technical Q&A sites such as Stack Overflow

RELEVANT EXPERIENCES

Framewerx	**Edmonton, AB**
Development Manager & Senior Full Stack Developer	*May 2021 – Present*

framewerx.ca
- Design, code, and implement new features for internal web apps at Supreme Steel
- Design, code, and implement new webapps and websites for Framewerx's new customers
- Provide project management and development services to other steel companies across Canada
- Manage a team of three software developers at Framewerx and estimate efforts for projects
- Provide mentorship to two junior software developers
- Interview and hire additional developers

Key Accomplishments:
- Design, code, and implemented a cross-platform mobile app (Android & iOS with C# Xamarin) for virtual queue management at participating businesses
- Design, code, and implemented a custom eCommerce solution for used bookstore sales

Tachyon Code Corp.	**Edmonton, AB**
Software Consultant and President	*Aug. 2019 – Present*

www.tachyoncode.com
- Establish own federally incorporated business to develop and sell applications on app store platforms worldwide

- Develop and sell on the worldwide iOS App Store "Home Alarm" (Swift 4+) to easily monitor, arm, or disarm Honeywell Intruder Detection Systems through an attached Raspberry Pi
- Develop and sell on the worldwide iOS App Store "My Garage" (Swift 4+) to monitor and control a garage door lift using a relay switch, magnetic contact, and Raspberry Pi

Supreme Steel / Framewerx   **Edmonton, AB**
Application Developer   *Jul. 2017 – May 2021*
www.supremesteel.com / framewerx.ca

- Design, code, and implement new features for existing internal C# .NET apps
- Architect, code, plan, and lead the development of new web-based applications with 3 other developers
- Integrate and automate existing processes and data exchange between business applications
- Part of IT department separation from Supreme Steel to Framewerx in Jan. 2020

Key Accomplishments:
- Lead, design, and develop an Angular 8, .NET Core 2 webapp for production progressing and shop timesheet tracking for better line of sight on business operations and key performance metrics. This webapp is utilized by wireless tablets and barcode scanners for use upwards to 100 daily, simultaneous active users across all six of Supreme Steel's fabrication shops.
- Lead, design, and develop an Angular 8, .NET Core 2 webapp for HR department to manage data integration (acting as an "API bridge") with various business systems including Sage 300 accounting, EHS Insight (safety & QA app), and Supreme Steel's in-house MRP system.
- Championed the implementation of project management tools and processes with Atlassian Jira Software & Service Desk, Confluence for Document Control, and Azure DevOps for Continuous Integration
- Introduce business intelligence (BI) concepts and deployment with Microsoft Power BI

JYLtek Inc.   **Edmonton, AB**
Lead Developer – Part Time   *Aug. 2014 – Aug. 2017*
www.jyltek.com / sizzlingstick.com

- Design, code, and implement a real-time point-of-sales system for iOS in Swift
- Develop backend with Microsoft Azure using Azure SQL Server and a Node.js App Services API
- Manage two other developers through each iteration/sprint
- Manage product user-stories and oversee product completion

Key Accomplishments:
- Completed a point-of-sales system for iOS iPad which was successfully deployed in a cellular-enabled food truck (The "Sizzling Stick" truck) since the 2016 spring and summer season
- Adapted to the continuously changing language specification of Swift 1.0 for iOS released in 2014 to the current Swift 3 and the now discontinued Mobile Services in Microsoft Azure
- Planned, designed, and implemented all supporting layers (database, backend service, and front-end UI) of the sales system

Edmonton Chinese Alliance Church   **Edmonton, AB**
Lead Website Developer - Volunteer   *Sept. 2014 – Present*
www.ecac.ca

- Implement and design a new trilingual WordPress website (English, Cantonese, and Mandarin)
- Administrate Office 365 and Azure AD identity to the 7+ staff and 200+ members
- Administrate Azure VMs and web services for 1000+ website visitors a month
- Provide WordPress training for other webmasters