

Gwennie Lau

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TECHNICAL SKILLS

Front-End: React.js, Vue.js, JSX, jQuery, JavaScript/ES6+, Razor, Material-UI, Material Table, JSS, Bootstrap, CSS 3, AJAX, HTML5, DOM

Back-End: Express.js, Node.js, Mongoose.js, RESTful API, Python 3, Django, C#, ASP .Net Core 2.2, Entity Framework Core, LINQ, T-SQL, JSON, MongoDB, MySQL, SQL Server 2012, Oracle 12c, Java 8

Tools: Git, GitHub, VS Code, Postman, AWS EC2, Nginx Web Server, Docker, MySQL Workbench, SQL Server Management Studio (SSMS), Oracle SQL Developer 18.2, Eclipse Photon, Team Foundation Server (TFS) 2015, Visual Studio 2015, G Suite

TECHNICAL PROJECTS (FULL STACK)

[Freeze-Or-Spoil](#)

MERN (MongoDB, Express, React, Node), Mongoose, Material UI, Material Table

- Developed a freezer storage tracking Single Page App in MERN
- Incorporated Material UI for a user friendly presentation plus dark mode switcher and autocomplete
- Leveraged Material Table with CRUD actions to database and data exported in pdf/csv
- Implemented CRUD data storage using MongoDB and Mongoose.js
- Included RESTful API with Axios and Reach/Route
- Applied Moment.js for elegant date conversion and formatting with Material UI date picker

[Chitty Chat](#)

Express, React, Node

- Developed a chat app using React for the frontend
- Incorporated Socket.io for multi-clients and real-time online messaging communication
- Implemented with Node and Express for a minimal, flexible, and scalable server communication
- Leveraged Bootstrap for a responsive design and seamless user experience

[Table For Who](#)

.Net Core, C#, MVC, MySQL

- Developed a restaurant wait-list app in C# .Net Core 2.2 with Razor and Bootstrap
- Implemented in MVC web architecture with RESTful routing for consistent CRUD manipulation
- Leveraged LINQ and Entity Framework Core object-relational mapping to MySQL for data storage
- Incorporated employee login/registration using server-side validations with Bcrypt password encryption for enhanced security measure
- CRUD capability based on login credentials

[Phantom Buy](#)

Python, Django, SQLite

- Developed a grocery list app in Python3 and Django web framework to track shopping items
 - Implemented in Django's MTV architecture with RESTful routing for efficient code maintenance
 - Stored data using Django ORM into SQLite
 - Allowed items to be moved between categories and totals tallied using toggles
 - Incorporated client-side login/registration validation and server-side validation with Bcrypt password encryption for enhanced security measure
 - CRUD capability based on login credentials
 - Leveraged Bootstrap for a responsive design and seamless user experience
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PROFESSIONAL EXPERIENCE

System Developer

08/2018 - 02/2020

Union Bank

Los Angeles, CA

- Acted as the primary Java/Oracle developer in the Collateral Management System collaborated with vendor applications in the Foreign Exchange Technology Team
- Developed functional enhancements and bug fixes using Java 8 with Eclipse Photon and Oracle DB 12c with SQL Developer to allow processing automation and free up analysts from redundant tasks
- Updated legacy Java procedural code to object oriented design/development to efficiently automate and speed up the post-trade collateral management processing
- Built new features to integrate new trade types to be processed automatically within existing system
- Managed source code and version control in Team Foundation Server 2015 to streamline the development process and safekeep source code
- Documented functional and technical requirements using JIRA and Confluence
- Coordinated with upstream/downstream systems on changes to ensure an uninterrupted operation

Client Solution Developer

05/2016 - 07/2018

Wedbush Securities Inc.

Los Angeles, CA

- Developed and maintained the Correspondent Billing, a C#.Net web application, a module of the full Operations Portal, to process over 1 billion monthly trading transactions and calculate over half a million monthly fees for clearing services using .Net Framework 4.0, C#, T-SQL, JavaScript, and CSS
- Led, designed, developed, and maintained the Phase3 Configuration Request, a classic ASP web application, to onboard new clients using Classic ASP, T-SQL, JavaScript, CSS, and HTML
- Optimized T-SQL stored procedures performance for data retrieval efficiency
- Managed source code and version control in Team Foundation Server 2012 to streamline the development process and safekeep source code

Senior ERS Developer

09/2013 - 04/2016

ERS Programmer

05/2010 - 09/2013

Wells Fargo Capital Finance

Santa Monica, CA

- Developed Electronic Reporting Solutions (ERS), a proprietary collateral-monitoring tool programmed in Audit Command Language (a scripting language), to analyze collateral, automate collateral reporting, and determine borrowing eligibility for the traditional asset-based financing over 35 million dollars for corporations in various industries in U.S. and Canada
- Developed ACL table structure capturing data elements from a variety of file types including Excel, fixed-length/flat-data, delimited/CSV/TSV/pipe/semi-colon/tilde, Access-database/MDB/ACCDB, and print-image/print-spool
- Built and managed shared code to improve team efficiency and consistency in ERS development
- Supported the Cross-Sell Team auditing: developed the monthly, daily, and ad-hoc Cross-Sell/Treasury reports using T-SQL, DB2, Excel (VBA/Macro), and ACL; automated the monthly reporting process

Development Analyst

08/2005 - 05/2009

AltruIT, Inc

Mission Hills, CA

- Collaborated with teams in the System Development Life Cycle of a foster care financial system which processed over 3 million dollars of monthly transactions, and served over 500 social worker users tracking health information of 20,000 foster children
- Mocked up prototypes and developed modules including account receivable, account payable, billing reconciliation, payout calculation engine (based on care days and rates), payment processing import/export against JD Edwards, and reporting
- Managed overall testing for production releases

Business Systems Analyst

07/2004 - 07/2005

Hewitt Associates LLC

Newport Beach, CA

- Partook in the development and implementation of a pension benefit system for a healthcare organization serving over 165,000 employees
- Wrote queries in IBM DB2 for data analysis, internal reporting, and testing
- Performed unit, functional, integration, and regression testing for production releases. Conducted system and procedural training for new team members

EDUCATION**Coding Dojo**

Full-Stack Web Development Bootcamp, Costa Mesa, CA

Immersive Full-Stack Web Development Program in Python, C# and MERN

February-May 2020

Triple Black Belts**California State Polytechnic University, Pomona**

B.S. in Business Administration, Pomona, CA

Major: Computer Information Systems

Emphasis: Application Software Development & Business Systems Analysis

2003

Cum Laude

GPA in Major: 3.7

Awards & HonorsWells Fargo Capital Finance **Front Line Success Award**, July 2015 (x2), September & July 2014, and September 2011Wells Fargo Capital Finance **Shared Success Award** (Community Volunteering), September & May 2015AltruIT, Inc. **Employee of the Month**, January 2008 and March 2007Member, **Beta Gamma Sigma Business Honor Society** and **Golden Key National Honor Society**Cal Poly Pomona **President's Honor List**, 2002-2003Cal Poly Pomona **Dean's List**, 1999-2003