

Gwennie Lau

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TECHNICAL SKILLS

Front-End: React.js, JSX, jQuery, JavaScript/ES6+, Razor, Styled Component, 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, Vercel, Netlify, 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 & Honors

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