WILLIAM YANG

FULL STACK ENGINEER | ORANGE COUNTY, CALIFORNIA

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WORK EXPERIENCE_____

Sprelo 🔗
FOUNDING FULL STACK ENGINEER (CONTRACT)

California (Remote)
Mar. 2023 - Present

• Led the development of Sprelo, ensuring a user-friendly interface and seamless integration with the platform's testing features
• Integrated advanced third-party APIs (**Stripe**, **ChatGPT**, and **DALL-E**) into the application, enhancing functionality and user engagement
• Deployed the **Next.js** frontend on **Vercel**, and deployed the **Node.js** server on **AWS** by using **Beanstalk**, **S3**, and **RDS**

Paperclip Technologies
FULL STACK ENGINEER

San Mateo, CA (Remote)
Jun. 2022 - Oct. 2022

• Reduced core dashboard loading times by **99%** by optimizing **Typescript** API logic and **MongoDB** aggregations
• Oversaw architecture design and development of application features including projections of financial calculations
• Streamlined changes and application consistency by **50%** by developing a custom data table component in **React.js**
• Addressed early stage startup technical debt by participating in code reviews and spearheading backend initiatives

Raytheon Technologies
SENIOR ANALYST, WEB DEVELOPER II

Tucson, AZ (Remote)
Jun. 2021 - Jun. 2022

• Decreased **SQL** stored procedure run times by **99.7%**, allowing mission critical government project to meet deadline
• Shortened reporting table generation time by **75%** by implementing pagination in **Java** and refining **JPA** queries
• Recovered and prevented **30,000+** secret clearance users from losing authorization during system migration

Melissa Data
SOFTWARE ENGINEER II
SOFTWARE ENGINEER I

Rancho Santa Margarita, CA
Mar. 2021 - May. 2021
Feb. 2019 - Mar. 2021

• Increased overall team productivity by **60%** and reduced errors by **95%** by spearheading a **.NET Core** library and a reusable template
• Boosted data quality by **375%** and reduced correction time by **80%** by inventing a maintainable **SQL** table verifier
• Accelerated table processing time by **57%** by using **C#** queue workers and blocking collections to multithread a program

Technossus
FULL STACK DEVELOPER EXTERNSHIP

Irvine, CA
Oct. 2018 - Nov. 2018

• Architected and revised **RESTful API** routes with **Node.js** and **Express.js**, **PostgreSQL**, and pg-promise
• Enforced administrative security with **JWT** authentication/authorization and password hashing encryption

Biometrics4ALL
QUALITY CONTROL ENGINEER I
SUPPORT ENGINEER I

Tustin, CA
Jan. 2018 - Aug. 2018
Apr. 2017 - Dec. 2017

Dealersocket
ASSOCIATE SOFTWARE ENGINEER

San Clemente, CA
Jul. 2016 - Jan. 2017

• Improved Customer Master Data Management (MDM) searches by implementing **Elasticsearch** deduping logic
• Researched and implemented **Apache Kafka** to stream data from different **MSSQL** databases to multiple MDMs

PROJECTS_____

Justcent 🔗
WEB APPLICATION WHERE PEOPLE EFFORTLESSLY SPLIT THEIR BILL AND FIND MISSING TRANSACTIONS

justcent.app
Feb. 2023 - Present

• Reduced time required to identify payees by **85%** by developing a statement comparison tool and streamlining reimbursement process
• Tech Stack: React.js/Next.js/Node.js/AWS (S3, Lambda, RDS)/PostgreSQL

Brew Bean 🔗
WEB APPLICATION WHERE PEOPLE CAN DISCOVER, LEARN, AND SHARE ANYTHING COFFEE RELATED

brewbean.io
Jan. 2020 - Jul. 2021

• Decreased network calls and provided a seamless update experience by implementing a GraphQL URQL cache system
• Tech Stack: React.js/Node.js/GraphQL/Hasura/PostgreSQL

SKILLS_____

Languages: C#, Node.js, Javascript / ES6, Typescript, GraphQL, Python, Java
Frameworks / Libraries: React.js, Next.js, .NET / .NET Core, React Native, Express.js, Koa.js, Nest.js, Angular, Spring
Database / Tools: Git, REST API, Docker, MSSQL, MongoDB, PostgreSQL, AWS (Beanstalk, S3, Lambda. RDS), OpenAI (ChatGPT, DALL-E)

EDUCATION_____

University of California, Irvine
BACHELOR OF SCIENCE, COMPUTER GAME SCIENCE

Irvine, CA
Jun. 2016