

# WILLIAM YANG

FULL STACK ENGINEER | ORANGE COUNTY, CALIFORNIA

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## WORK EXPERIENCE

### Sprelo

California (Remote)

FOUNDING FULL STACK ENGINEER (CONTRACT)

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 **React.js/Next.js** frontend on **Vercel**, and deployed the **Node.js** server on **AWS** by using **Beanstalk**, **S3**, and **RDS**

### Paperclip Technologies

San Mateo, CA (Remote)

FULL STACK ENGINEER

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

Tucson, AZ (Remote)

SENIOR ANALYST, WEB DEVELOPER II

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

Rancho Santa Margarita, CA

SOFTWARE ENGINEER II

Mar. 2021 - May. 2021

SOFTWARE ENGINEER I

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

Irvine, CA

FULL STACK DEVELOPER EXTERNSHIP

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

Tustin, CA

QUALITY CONTROL ENGINEER I

Jan. 2018 - Aug. 2018

SUPPORT ENGINEER I

Apr. 2017 - Dec. 2017

### Dealersocket

San Clemente, CA

ASSOCIATE SOFTWARE ENGINEER

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

[justcent.app](#)

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

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/AWS** (S3, Lambda, RDS)/**PostgreSQL**

### Brew Bean

[brewbean.io](#)

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

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

Irvine, CA

BACHELOR OF SCIENCE, COMPUTER GAME SCIENCE

Jun. 2016