

# JESSICA AU

## SOFTWARE ENGINEER

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🌐 portfolio/

☎ (916)897-6417

in jessica-m-au

🔗 jessica-au

I am an educator turned full-stack developer who maintains a strong passion for teaching and utilizing my critical thinking skills to solve tough problems. I value developing tools that augment and transform the user experience, and I hope to lend my prior experience to the development of tools and applications that are elegant and thoughtfully designed.

## Skills

JavaScript  
React.js  
Redux  
Express  
Node.js  
Python  
Django  
PostgreSQL  
Sequelize.js  
MongoDB  
Heroku  
HTML  
CSS  
Selenium  
Postman  
Bootstrap  
Sass  
Ruby  
Mongoose  
Atlas  
Github  
Git  
Socket.io

## Volunteering

Asian American Pacific  
Islander Club - EGHS  
Faculty Adviser  
Elk Grove, CA

## Projects

### Messenger - FullStack Software Engineer

June 2021 to July 2021

A full fledged chat application | Stack: React, Redux, Express, Node, Sockets

Responsibilities:

- Improved authentication security through json web tokens
- Implemented new feature following design and specification requirement
- Optimized codebase for scalability

### Profile Search Engine - Frontend Developer

June 2021 to June 2021

An application that allows tagging and searching personal profiles | React, Node, HTML, CSS

- Built features which utilized public API
- Implemented mobile-first UI

### Selene - FullStack Software Engineer

Mar. 2021 to Apr. 2021

An e-commerce application focused on user experience and inventory management. | Stack: Python, Django, PostgreSQL, Heroku

Responsibilities:

- Designed and built out backend relational models and database
- Implemented inventory management library
- Built out and styled product and shopping cart features

### NipponRunner - FullStack Software Engineer

Feb. 2021 to Mar. 2021

An online language learning application designed to help users learn hiragana, the Japanese alphabet. | Stack: React, Express, MongoDB, Node, Heroku, Atlas

Responsibilities:

- Collaborated with teammate to develop application concept and game logic continuity
- Built logic for backend routes and algorithms for frontend game logic
- Seeded database, managed features/branches, code conflicts and pull requests, and deployment

### Bin Media Res - Software Engineer

Feb. 2021 to Feb. 2021

An online media category application designed to help organize your favorite podcasts. | Stack: Javascript, Express, SQL, Node.js, Heroku

Responsibilities:

- Built out frontend user interface and backend routes, associations, and models
- Utilized podcast API for user content

### Mathblaster - UX/UI Designer

Jan. 2021 to Jan. 2021

A fun and engaging learning application paying homage to the late '90s game of the same name. | Stack: HTML, CSS, Javascript

Responsibilities:

- Built out interactive frontend application utilizing javascript algorithms and logic, and managed git workflow

## Education

### General Assembly

2020 to 2021

Software Engineering Immersive Program

### California State University-Sacramento

2014 to 2015

SB 2042 Teaching Credential with English Learner Authorization in English

### University of California, Berkeley

2006 to 2011

Bachelor of Arts English

## Employment

### Tutoring Club · Lead Tutor · Folsom, CA

2018 to 2020

Prepared high school students for the reading, writing, and essay sections of the PSAT, SAT, ACT, AP English Language, and AP English composition tests, often to results of 150% improvement or greater

### Pearson · Educator Testing Essay Scorer · Sacramento, CA

2016 to 2016

Holistically scored hundreds of essays daily on tests such as CBEST, CSET – English, Washington Basic Skills, CTEL, and other required tests for measuring teacher aptitude and readiness

### Elk Grove High School · English Teacher · Elk Grove, CA

2016 to 2018

Taught English Language arts with common core aligned curriculum to English 10 classes, and AVID

### Fairfield High School · English Teacher · Fairfield, CA

2015 to 2016

Taught grade 11 and grade 12 English Language Arts with Common Core aligned ERWC curriculum