

# Alex Keth

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Portfolio: <https://alexketh.github.io/personal-site/>

## WORK EXPERIENCE

Junior Software Engineer | *Fire Engine RED* Oct 2022 – Oct 2023

- Developed expertise in Vue.js, JavaScript, HTML5, CSS (including SASS or LESS)
- Contributed to building the Innovation team into an Agile center of excellence
- Engaged in pair programming, code reviews, and cross-training activities
- Utilized modern frameworks such as SPA, MVC, MVVM, and WebAPI 2.0
- Gained experience with AWS services (Lambda, S3, SQS) and PHP/Laravel
- Utilized tools such as Jira, Bitbucket (Git), Bamboo CI, and the LEMP stack (including MariaDB, Redis, ElasticSearch, Vagrant, Docker)

Software Engineer Intern | *Fire Engine RED* Jul 2022 – Oct 2022

- Communicate about task status and deliverables with team members via Jira
- Develop experience in PHP, Vue.js, HTML, CSS (including SASS), SQL, WebAPI 2.0, AWS services, and working in an Agile/Scrum environment
- Software pair programming with other engineers, reviewing pull requests, and giving constructive feedback

## PROJECTS

CSUS Senior Project - Trade Lithography Overhaul | *React, Express, MySQL* Jan 2021 – Dec 2021

- Full stack web application with responsive user interface, allowing admins to create schedules for employees, browse customer orders, create logins for employees, and sort order data
- Followed Agile methodologies by incorporating bi-weekly sprints, scrum meetings, sprint reviews, and sprint retrospective

Movie Database Project - *Oscarpedia* | *Python, HTML, CSS* Jun 2018 – Jun 2019

- Developed a web application using the Open Movie Database API. Users could search for movies that have won Oscars based on genre, category, and name of the film. The data is parsed and returned in JSON format or in normal GUI format.

## SKILLS

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|--|--|
| - Java, C, Python, Verilog, VHDL, MySQL, Git/GitHub, | - AWS (Lambda, S3, SQS)                                |
| JavaScript, HTML, CSS                                | - Jira, Bitbucket (Git), Bamboo CI                     |
| - Vue.js, PHP, Laravel                               | - Agile: Scrum, Waterfall, LeSS, Kanban, Flying Donut  |
| - LEMP Stack, MariaDB, Redis, ElasticSearch,         | - Professional written and verbal communication skills |
| Vagrant, Docker                                      | - Microsoft Office (Word, Excel, PowerPoint)           |

## RELEVANT COURSEWORK

- |   |                                 |
|---|---------------------------------|
| - Data Structure and Algorithm Analysis         | - Database Management Systems   |
| - Introduction to Systems Programming in UNIX   | - Computer Software Engineering |
| - Software Engineering Project Management       | - Introduction to Logic Design  |
| - Object-Oriented Computer Graphics Programming | - Computer Network              |

## EDUCATION

Bachelor of Science, Computer Science

Graduation Date: December 2021

- California State University, Sacramento | *Sacramento, CA*