

Nicole Walker

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129 Purple Sandpiper Lane, Leander, Texas 78641

SENIOR SOFTWARE ENGINEER

Senior Software Engineer with a robust background in mathematics and teaching. Passionate about solving problems and creating meaningful, beautiful, and useful applications to help others.

PROFESSIONAL EXPERIENCE

LeadCrunch dba REV
Senior Software Engineer **Sep 2018 - Jul 2024**

- As a Full-Stack Developer, I utilized React, TypeScript, and Python to enhance and maintain a B2B sales platform.
- Developed a custom AI API for natural language database communication and querying, utilizing OpenAI's GPT model and development tools.
- Led the implementation of major application features, including the research and integration of Auth0 for authentication, enabling clients to log in using SSO and MFA.
- Optimized MySQL database queries, significantly improving performance and reducing query execution time from over 30 seconds to approximately 5 seconds.
- Spearheaded and led an internship program for full-stack development interns, successfully converting them to full-time developers.

Oddball
Frontend Engineer **Sep 2020 - Jan 2021**

- Utilized React and TypeScript to develop web portals for Veterans Affairs.
- Modernized web applications by updating codebases, improving performance, and ensuring responsive design and scalability.
- Integrated various APIs and third-party services to enhance the functionality of applications, such as chatbots, notification systems, or customer support tools.

Woodbridge High School
Mathematics Teacher **Aug 2014 - April 2018**

- Collaborated with educators to redesign the Algebra 1 and Algebra 2 curriculum, aligning it with Common Core Standards, resulting in a 4% increase in the percentage of students meeting or exceeding state math standards from 2015 to 2016.
- Exhibited strong problem-solving skills by effectively managing classes of up to 38 students, tailoring instruction to individual needs, and fostering student success.

EDUCATION & CERTIFICATIONS

Bachelor of Science in Mathematics
University of California, Irvine

Certificate in Full-Stack Web Development
University of California, Irvine

Teaching Credential
University of California, Irvine

PROFICIENT TECHNOLOGIES

React	Pandas
Next.js	Docker
Node.js	HTML
TypeScript	CSS
Python	Jest
OpenAI dev tools	MySQL
Auth0	SQL
GraphQL	MongoDB