

Yusuf Alp

Software Engineer

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SUMMARY

Educator turned software engineer with 3 years of full stack development experience, skilled in leading cross-functional teams to deliver high-quality solutions. Successfully innovated with limited resources, saving teams over \$1M in operational costs.

SKILLS

JavaScript, TypeScript, Python, Java, React, Node.js, Express, PostgreSQL, MongoDB, AWS, REST API, GraphQL, CI/CD, Unit and Integration Testing, Cypress, Jest, HTML, CSS, Git, GitHub

WORK EXPERIENCE

Code Squad, Boston, MA (Remote, Part-time)

Oct 2022 – Present

Lead Teaching Fellow and Software Developer

- Managed a team of 5 teaching fellows to deliver immersive full-stack technology courses in JavaScript, React, Node, Express, and MongoDB to a cohort of 20 people each year
- Pioneered the integration of a comprehensive full-stack application into the curriculum, introducing React with key concepts like asynchronous programming and state management, enhancing the learning experience
- Developed an internal application using JavaScript, React, Node, Express, and MongoDB to monitor student progress and facilitate communication with mentors, coaches, and job tracking, improving overall program efficiency

Pariveda Solutions, San Francisco, CA

Jul 2021 - Aug 2023

Software Engineer II

- Developed a radio tower management application using .NET, Vue, and JavaScript, strategically saving over \$1M by eliminating redundant equipment purchases, which significantly boosted productivity for the operations team
- Optimized SQL queries to improve scalability and reliability of critical applications and microservices in production, benefiting 1000+ radio frequency engineers
- Enhanced test coverage to over 95% by creating and managing comprehensive tests in Cypress, which included thorough unit and integration tests
- Advised product owners and team leads on technology-driven business challenges and coding best practices using software development life cycle principles, enhancing project efficiency and quality

Software Engineer I

- Promoted to Software Engineer II after reducing customer support costs by 30% and wait times by 70% by developing a chatbot with Java, Spring Boot, React, and JavaScript, serving 75,000 user requests daily
- Integrated Natural Language Processing to support localization, internationalization, and translation, enabling functionality in over 25 languages and countries

VOLUNTEER EXPERIENCE

Women Who Code, San Francisco, CA

Sep 2020 – May 2024

Software Development Mentor

- Guided and inspired over 20 people both in-person and remotely by sharing constructive feedback and facilitating study groups in JavaScript, React, AI, data structures, and algorithms
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PREVIOUS WORK EXPERIENCE

Leadership Public Schools, Oakland, CA

Aug 2018 – Jul 2020

Statistics Teacher and Testing Coordinator

- Taught a college Statistics course in partnership with the College of Alameda, surpassing expectations with a 96% success rate, outperforming the average of 68%
- Analyzed exam data and coached 20 teachers in areas of data usage and action plan creation, resulting in an increase in the test participation rate to at least 95%
- Created academic plans for each student based on transcripts, assessment data, post-secondary goals, and progress
- Oversaw and tracked school-wide internal and external exams for over 400 students

Bay Area Technology School, Oakland, CA

Oct 2011 – Jul 2018

Mathematics and Computer Science Teacher

- Collaborated with the instructional team, orchestrating a successful increase in Math scores from 11% to 34% and English proficiency from 15% to 33%
 - Developed and taught computer science programming courses covering HTML, CSS, JavaScript, and advanced topics in data structures and algorithms
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EDUCATION

Thinkful | Certificate in Software Engineering

Walden University | Master of Science in Education - Teacher Leadership

Abant Izzet Baysal University | Bachelor of Science in Mathematics