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. Innovating with limited means resulting in helping teams save over $1M in operations costs.

SKILLS

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

WORK EXPERIENCE

Pariveda Solutions, San Francisco, CA   Jul 2021 - Aug 2023
Software Engineer II
- Developed, built and maintained a radio tower management application using .NET, Vue and Javascript, strategically saving over $1M through the elimination of redundant equipment purchases and significantly boosting productivity for the operations team
- Optimized SQL queries to enhance scalability, reliability, resiliency, extensibility, and accessibility of critical applications and microservices in production, benefiting 1000+ radio frequency engineers
- Improved team proficiency leading to a test coverage of over 95% by crafting, reviewing, and managing code in Cypress with thorough unit and integration tests
- Introduced a comprehensive software development life cycle and provided counsel to product owners and team leads on technology-driven business challenges and coding best practices

Software Engineer I
- Promoted to Software Engineer II after reducing customer support costs by 30% and wait times by 70% with chatbot serving 75,000 user requests daily using Java, SpringBoot, React, and JavaScript
- Integrated Natural Language Processing to support localization, internationalization, and translation in 25+ languages and countries

Code Squad, Boston, MA (Remote)   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
- Pioneered the successful integration of an expansive full-stack application into the curriculum and introduced React to the program encompassing key concepts such as asynchronous data management, state management, and routing
- Developed an internal tool using JavaScript, React, Node, Express, and Mongodb to monitor student progress and facilitate communication with mentors, coaches, and job tracking

VOLUNTEER EXPERIENCE

Women Who Code, San Francisco, CA   Sep 2020 – Present
Software Development Mentor
- Guided and inspired through the facilitation of JavaScript, React, AI, data structures, and algorithm study groups of over 20 people both in-person and remote

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PREVIOUS WORK EXPERIENCE

Leadership Public Schools, Oakland, CA   Aug 2018 – Jul 2020
Statistics Teacher and Testing Coordinator
- Curated and taught 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 equipped 20 teachers in areas of data usage and action plan creation, resulting in an increase in the test participation rate to at least 95%
- Personalized 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
- Led a bi-weekly collaboration with the instructional team, orchestrating a successful increase in Math scores from an 11% to a 34% success rate. Simultaneously, orchestrated a surge in English proficiency from 15% to a 33% score
- Developed and instructed computer science programming courses diving deep into HTML, CSS, JavaScript, and advanced realms of data structures, algorithms, programming design, computer systems, and networking

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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