Yusuf Alp

Software Engineer

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SUMMARY

Experienced software engineer specializing in full-stack development and database technologies, adept at delivering robust systems and exceptional user experiences. Demonstrated ability to efficiently prototype, implement, and support high-performance products. Dedicated to understanding user needs, crafting effective solutions, and ensuring the delivery of thoroughly tested and high-quality software.

SKILLS

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

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
- Improved the scalability, reliability, resiliency, extensibility, and accessibility of mission-critical applications and microservices in production, directly impacting over 1000 radio frequency engineers, by optimizing SQL queries
- Enhance team proficiency resulting in an impressive test coverage of over 95% by writing, reviewing and maintaining code in Cypress, inclusive of rigorous unit and integration tests
- Pioneered the implementation of a comprehensive software development life cycle and advised product owners and team leads on technology-related business problems and coding best practices

Software Engineer I
- Developed full-stack features and design for a chatbot technology using Java, SpringBoot, React, and JavaScript that serves 75,000+ user requests per day, resulting in a 30% reduction in support costs and a 70% decrease in wait times
- Implemented Natural Language Processing to ensure proper implementation of localization, internationalization, and translation support for over 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 in 24 weeks
- Pioneered the successful integration of an expansive full-stack application into the curriculum and marked a milestone by introducing React to the program encompassing key concepts such as React Hooks, props, asynchronous data management, state manipulation, and routing
- Designed, developed and maintained an internal tool with JavaScript, React, Node, Express and Mongodb to keep track of student progress, including meetings with mentors, coaches and job tracking
- Fostered a collaborative and supportive learning environment, ensuring everybody received a comprehensive and engaging educational experience

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
- Cultivated dynamic and business-centric learning spaces, driving skill development and fostering a culture of knowledge exchange

PREVIOUS WORK EXPERIENCE

Leadership Public Schools, Oakland, CA   Aug 2018 – Jul 2020
Statistics Teacher and Testing Coordinator
- Crafted and delivered a college Statistics course in partnership with the College of Alameda to dual-enrolled high school seniors, surpassing expectations with a 96% success rate, outperforming the average of 68%
- Analyzed data and equipped teachers in areas of data usage and created action plans, resulting in an increase in the test participation rate to at least 95%
- Developed, reviewed, and regularly updated personalized academic plans for each student based on students' transcripts, assessment data, post-secondary goals, and progress
- Organized, planned, and managed school-wide internal and external exams and maintained accurate, relevant, and complete testing history

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 triumphant ascent in Math success from an 11% to a 34% success rate. Simultaneously, orchestrated a surge in English proficiency from 15% to a 33% success rate
- Developed and conducted computer science programming curriculum diving deep into HTML, CSS, JavaScript, and advanced realms of data structures, algorithms, programming design, computer systems, and networking

EDUCATION

Thinkful | Certificate in Software Engineering

Walden University | Master's of Science in Education - Teacher Leadership

Abant Izzet Baysal University | Bachelor's of Science in Mathematics