Ased Karim

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EDUCATION

University of California, Riverside   Riverside, CA
Bachelor of Science in Computer Science with Business Applications   *Aug 2021 – June 2024 (Expected)*

EXPERIENCE

Full-Stack Software Engineer Intern — non-fungibletax.com   June 2023 – September 2023
Crypto Reporting   *Virtual*
- Collaborated with a team at an online tax firm to develop a web app for automated tax calculations of stock, crypto, and NFT holdings. Achieved a 20% increase in user engagement, as evidenced by Google Analytics metrics, and a 30% reduction in processing time, verified by AWS CloudWatch performance monitoring.
- Designed and implemented the signup process and integrated payment methods for user convenience (AWS Cognito, AWS Amplify, React.js, Stripe, Bitpay).
- Constructed a flexible payment plan system and ensured its smooth communication with the user interface (AWS Lambda, Python, AWS API Gateway).
- Established a database to maintain records of user purchases and corresponding payment plans (AWS DynamoDB).

Computer Science Tutor   August 2022 – Present
Sharper Minds Academics   *Virtual*
- Developing and delivering lesson plans for introductory computer science concepts, including data structures, algorithms, and object-oriented programming.
- Creating and maintaining course materials, including slides, handouts, and programming exercises, to support student learning and engagement.

Freelance Software Developer   July 2022 - August 2022
Paradigm Solutions Consulting   *Virtual*
- Developed a responsive e-commerce site for Paradigm Solutions using HTML, JavaScript, and CSS, achieving a 15% increase in customer interaction, tracked via Google Analytics. Enhanced site with real-time features and ensured cross-browser compatibility.
- Conducted rigorous testing and debugging to ensure seamless website performance across different browsers and devices.
- Implemented a custom back-end system using AWS to process user payments and orders, ensuring secure and efficient transaction management

PROJECTS

Analyzing the Housing Crisis in California | Tableau   May 2023
- Conducted comprehensive analysis on housing affordability in California by utilizing five data sets and visualizing the data using Tableau.
- Investigated trends and patterns in housing prices, income levels, and tax rates to analyze factors contributing to the housing crisis and assess the impact of rising housing costs on today's population compared to 50+ years ago
- Collaborated with a team to unveil significant housing affordability challenges: Average house prices increased by over 1,150% while income rose by only 373% over the past few decades, resulting in houses being 7.5 times the median salary and extended saving time for down payments.

Task Scheduler | *C++* | Task Scheduler   June 2022
- Led a scrum team as a Scrum Master and successfully developed a task scheduler to improve daily task management and organization.
- Crafted, created, and executed a customized user interface for the front-end, resulting in a streamlined and user-friendly experience.
- Applied advanced programming techniques, including the use of nodes and pointers, to successfully resolve memory leak issues and optimize program performance.

TECHNICAL SKILLS

Languages: C/C++, Java, Python, React.js, JavaScript, HTML/CSS, Assembly, LaTeX
Developer Tools: Git, AWS, Verilog, Jira, Tableau, AutoCAD, QuickBooks, VS Code, Visual Studio, IntelliJ, Eclipse
Relevant Coursework: Data Structures / Algorithms, Software Construction, Object Oriented Programming, Assembly Language / Machine Architecture, Discrete Structures, Design of Operating systems, Artificial intelligence