AMIR AZHAR

Highly motivated and skilled T-shaped software engineer, with a technical expertise in full stack web development and a unique blend of skills in both software and hardware technologies. A self-motivated learner with a strong desire for self-improvement, adept at coordinating and communicating effectively in fast-paced environments.

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MAIN PROFICIENCY

HTML/CSS · JavaScript · TypeScript · React · Next.js · Node.js · Express · MongoDB

OTHER SKILLS

Kubernetes · Angular · Vue · Python · Shell · C/C++ · Database Systems · Object Oriented Programming

WORK EXPERIENCE

SOFTWARE ENGINEER **VISA** *AUG 2022 - PRESENT*

Visa facilitates electronic funds transfers and is a leader in digital payments. They have a division called Value Added Services Product Development (VASPD) that focuses on creating innovative solutions for complex and emerging needs.

- Developed a full stack application from scratch for Release Engineering and Managers to track live metrics, VM and container deployments, pull requests from hundreds of projects.
- Designed mock-ups and prototypes using Figma, and led the development of the frontend using modern technologies such as Next.js with TypeScript, Material UI and Redux.
- Implemented backend APIs in Node.js for the frontend to retrieve data from MongoDB
- Implemented shell and Python scripts for automation in retrieving data to populate the MongoDB, and for other Release Engineering related jobs on Jenkins
- Deployed, maintained and troubleshooted monthly VM, Docker EE and OpenShift deployments of Visa products in production environments.

SOFTWARE ENGINEER INTERN **SOLAR AI TECHNOLOGIES** *DEC 2021 – JUN 2022*

Solar AI Technologies is a tech start-up that combines geospatial analysis of satellite imagery, big data and machine learning to analyse rooftop solar potential and estimate savings virtually.

- Contributed to the design, development, and implementation of an Admin Platform for the Solar AI sales team and Energy companies to efficiently close leads, resulting in streamlined sales process and improved team productivity.
- Developed a Customer Portal for new Solar AI customers and prospects, enabling streamlined communication and improved tracking of onboarding process.
- Developed an EPC Platform for energy company partners to easily send offers and proposals and manage customer information, resulting in improved communication and collaboration.
- Utilized Next.js, AWS, DynamoDB and Elasticsearch to build the above platforms.

FRONTEND WORDPRESS DEVELOPER **NUS GLOBAL STUDIES** *SEP 2021 – MAY 2022*

NUS Global Studies is an interdisciplinary program housed under NUS's Faculty of Arts and Social Sciences.

- Redesigning and implementation of the NUS Global Studies WordPress
- Management and fact-checking of content viewed by hundreds of unique users daily
- Implemented reusable components using JavaScript Plugins

AUTOMOTIVE CYBERSECURITY INTERN **HUAWEI SINGAPORE RESEARCH CENTRE** *JAN 2021 – JUN 2021*

Huawei Singapore Research Centre (Shield Lab) focuses on researching in fields such as Cybersecurity, Artificial Intelligence and Digital trust.

- Developed and implemented hybrid NIDS for connected and autonomous vehicles to detect cyber attacks as part of Vehicle Security Team.
- Implemented real-time operating systems on embedded systems for future use on autonomous vehicles.
- Fixed bugs and optimized performance, efficiency, and memory for NIDS, ensuring readiness for product demo in China.

EDUCATION

NATIONAL UNIVERISTY OF SINGAPORE *2018 – 2022*
BACHELOR OF ENGINEERING (COMPUTER ENGINEERING)

PROJECTS

PERSONAL PORTFOLIO v2.0 **PERSONAL** *JUN 2021 – PRESENT*

- Developed and revamped a personal portfolio website, featuring state-of-the-art technologies.
- Built using Node.js, React, and Bootstrap, improved the website's overall design, functionality and performance.

CERTIFICATIONS

CERTIFIED KUBERNETES APPLICATION DEVELOPER ↗ **THE LINUX FOUNDATION** *SEP 2022*

IBM DATA SCIENCE PROFESSIONAL CERTIFICATE ↗ **EDX/IBM** *MAY 2021*