

Jawad Aziz Khan

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I am a skilled software engineer with experience in mobile and full-stack web development. Problem-solving is my forte and I am a great communicator and quick learner with a positive can-do attitude. I am fluent in English and speak Hindi, Urdu, and Bengali.

SKILLS

Languages: Java, Python, Javascript, C++, Dart, C#, Kotlin, Swift, Ruby, R, PHP, Bash, SQL, HTML, CSS

Platforms: Windows, MacOS, Android, iOS, Linux, Raspberry Pi, Arduino

Mobile: Flutter, Firebase, FCM, Xcode, React Native, Retrofit, Gson, Hive, Agora, Glide

Full-stack Web: Node, Flask, Django, FastAPI, Rails, React, Bootstrap, Express, SSR, JQuery, GCP, AWS, WebRTC, Bcrypt, templating

Integration: Git, MySQL, MongoDB, MQTT, IoT, NGINX, Latex, Agile, Trello, REST, SOAP, CI/CD, Postman, Confluence, Jira, HL7, ChatGPT

Machine Learning: OpenCV, Tensorflow, Keras, Pytorch, Pandas, Numpy, Scikit-learn, Matplotlib

Game Development: Unity, Unreal, ARCore, Vuforia, Godot, Blender, Krita, Inkscape, 2D, 3D Modelling, Rigging and Animation

EXPERIENCE

Software Development Intern, Cerence Inc. (Montreal, QC)

May 2022 – Aug 2022

- Contributed to internal swipe text input tool for IVI (in-vehicle infotainment) interface in Java for Lucid Motors.
- Documented Linux layer build for an IVI OS for VinFast, reducing errors by 20% during deployment.
- Corresponded operations and updated with various project teams to gain insight on ASR for automotive.
- Automated manual language pack parsing tasks, to improve ASR system design time by 18%.

Software Engineer, Stellar Vision (Sydney, Australia - Remote)

Sept 2020 – Apr 2022

- Designed full-stack applications and web services for healthcare with Node.js enabling faster workflows.
- Engineered user-friendly apps for mobile, iOS and Android-based devices using Flutter for senior home clients.
- Overhauled 90% of interactive survey analytics platform from legacy PHP to modern performant JavaScript.
- Constructed backend data dashboard system using D3.js and MongoDB, reducing query times by 40ms.

Software Engineer, Challan.xyz (Dhaka, Bangladesh)

Sept 2019 – Apr 2020

- Built the API platform that streamlined data entry on product stock by 200% in time spent.
- Communicated with clients to troubleshoot and debug the platform, upping user satisfaction by 70%.
- Set up an automated workflow to streamline product delivery and monitor performance metrics.

OTHER WORKS

CashIQ - iOS App, Manush Tech

- Engineered iOS app for Manush Tech, that promotes responsible financial habits with family allowance and chore management.
- Used Flutter, Firebase, Google FCM, Datetime, OTP, and HiveDB for a secure and efficient UX, app available on iOS App Store.

Golu Molu - Android Game, M360 Wellness

- Created a health-conscious Android game for M360 Wellness, available on the Google Play app store.
- Utilized Unity, Blender, and Krita to create art assets and code game logic, following game development practices.

Volunteer Instructor, North South University ACM SIGAPP

- Conducted game development workshops at alma mater. Covered 2D/3D graphics, game logic programming, and deployment; empowering participants to create and play their fully functional games within three sessions.

EDUCATION

Master of Engineering, Electrical & Computer Engineering

Aug 2021 – Apr 2023

The University of Calgary. *Calgary AB, Canada*

Focused on Dependability, Data Mining, Automation, Cryptography, Ethics, Climate Adaptation in Software Engineering

Bachelor of Science, Computer Science & Engineering

Sept 2015 – Aug 2019

North South University. *Dhaka, Bangladesh*

Concentrated on Machine Learning, Computer Vision and Software Engineering