ADHAM ELSAFTY

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Summary

Backend Developer with deep code experience in Node.js and C/C++. Mentors and coaches junior developers in architecture and project management. Hardworking with excellent communication and collaboration skills. Always eager to learn more and develop and always welcomes new challenges with open arms.

Skills

- Node.js
- C/C++
- Embedded C
- Databases
- MS Office
- Project organization
- Team management
- Planning and coordination

- Leadership
- Javascript
- Linux Shell Scripting
- MongoDB
- Debugging
- Azure DevOps
- Git
- Agile development methodologies

Experience

Node.JS Backend Developer   03/2020 - Current
Idea In Motion | Cairo

- Performed structured design reviews, programmed systems, wrote unit tests and reviewed system test results.
- Wrote reusable, testable and efficient code using Node.js.
- Worked with No-SQL databases using MongoDB and Mongoose.
- Worked on authentication using jwt.
- Created RESTful Apis using http and express.js.
- Worked with Elasticsearch and mongoosastic to created detailed search queries.
- Learned how to implement an e-commerce platform from scratch.
- Worked with io.sockets to create real time events for time critical tasks.
- Participated in sprint planning sessions, client meetings and project retrospectives.
- Worked with Azure DevOps to follow Agile methodologies and integrate it with version control using Git and CI/CD using Azure pipelines.

Embedded Software Engineer   08/2018 - 03/2020
Idea In Motion (Partnered with Trapeze Group Switzerland) | Cairo

- Initiated efforts to migrate legacy applications to new and more generic platform for Tetra Radio and GPRS modules.
- Supervised team of developers in analysis and creation of Embedded software.
- Used both C and C++ extensively to develop highly functional software to meet production requirements.
- Used strong analytical skills to debug highly sophisticated modules that were written in legacy code using only log messages.
- Used AT messages and VDA protocols to communicate with radio modems of both Tetra and GPRS radios.
- Worked closely with development team members to identify and remove software bugs.
- Documented technical specifications and project testing methods for future reference and other assignments.

- Collaborated closely with Software Architecture and Team members to keep projects on track and meet anticipated deadlines.
- Followed Agile methodologies and worked with the team on sprints basis using SCRUM.
- Was among a few people who were chosen to spend two months in Switzerland to work with our partners directly on the actual hardware and testing facilities.

Education

Bachelor of Engineering: Mechatronics Engineering   07/2017
German University In Cairo (GUC) | Cairo

High School Diploma   06/2012
Modern Education Schools (MES) | Cairo