Nayaab Ahmed N

[Github](#) • nayaabahmedn@gmail.com • [LinkedIn](#)

[Phone](#) • [8197718054](#)

PROFESSIONAL EXPERIENCE

Aeronautical Development Agency

Software Developer   Dec, 2022 – Feb, 2024

- Actively involved in the development and maintenance of mission critical software solutions for embedded systems.
- Utilized pragma calls to establish seamless communication and integration between Ada and VxWorks, ensuring optimal performance and reliability.

- Used TerraTerm software to dump the kernel image and the application software into a embedded system and solve the problems observed w.r.t OS application

- Employed Git for robust source control management, overseeing versioning and collaborative development for both application and VxWorks projects, this increased our productivity by 50%.

- Actively engaged in DevOps practices, focusing on automated builds and delivery pipelines to target environments, resulting in streamlined development processes and increased efficiency.

- Collaborated with cross-functional teams to analyze system requirements, troubleshoot issues, and optimize software performance.

- Conducted thorough unit testing and debugging activities, ensuring the reliability and stability of mission computer application.

- Used Python to help develop Descriptive change notice generation by directly using git diff file, this helped our team to keep a clean documentation setup hence increasing our productivity by 200%.

- Successfully made a basic interface to monitor Mission computer health status like temperature, uptime . . .etc. using HTML, CSS, JavaScript and NodeJS using APIs provided by Mission computer.

- Supervise timely accomplishment of project objectives. Manage key project risks and change.

- Have better experience on SVN and GITEA server for version control, fetching code from server, merging to a latest code and amending changes onto it.

Amazon Development Centre (India) Pvt. Ltd

PROCESS ASSOCIATE (SEMI-TECH)   Dec, 2019 – June, 2021

- Provide proper product pricing to US customers using in-house tools.

- Analyze the price changes and suggest ways to keep pricing of products competent.

- Create dashboards using Matplotlib with the given CSV data.

- Submit new Ideas for the improvement of in-house tools.

Protocol Automation Technologies Pvt. Ltd.

SCADA DEVELOPER   Dec, 2018 – May, 2019

- Design efficient SCADA designs using Movicon.

EDUCATION

Sai Vidya Institute of Technology**, Bengaluru   2014-2018**

Bachelor of Engineering, Electrical and Electronics Engineering– 6.67 %

Indiranagar Composite PU college, Bengaluru**.   2013-2014**

 PCMB – 88.87%

TECHNICAL SKILLS

- **Programming Languages:** ADA-95, Embedded C, Python, JavaScript, HTML, CSS, Node.
- **Technologies/Frameworks:** Git, Node.js, Jenkins, TeamCity, Octopus Deploy, Sublime merge, Tortoise Git, RTOS.
- **Development Tools:** GNAT, Apex ADA, Anaconda, VSCode, wind River workbench (VxWorks).
- **Testing Tools:** HCL One Test Embedded studio, IBM RT-RT.
- **Protocols:** UART, RS-422.
- **Safety-guidelines :** DO-178B.

ADDITIONAL INFORMATION

- **Languages:** English (Professional), Kannada, Hindi (Native)
- **Interests:** Badminton, Meditating.
- **Certification:** [Full stack developer](#) from GUVI.

PROJECTS

TEJUS MARK1A LCA Aircraft

- Military software development using ADA95 language in GNAT environment.
- Write Network drivers for VxWorks RTOS which transfers the data from application to other LRUs.
- Write unit test cases for Application written in ADA with the help of HCL ONE_TEST tool.