WILFRED ALMEIDA

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SKILLS

Mobile: Flutter **Backend**: NodeJS, Golang
Cloud: NGINX, Linux **DevOps**: Docker, Kubernetes, Harbor, ArgoCD
Databases: MySQL, Firebase, MongoDB **Platforms**: GitHub Actions, Cloudflare **Tools**: Git, Postman, Lens

WORK EXPERIENCE

Linux Foundation LFX Mentee, CNCF Harbor (LFX Portal) — Remote
Mentee — *03/2023 - Present*
- Enhancing the versatility of replication filters (GitHub Issue)
- Implementing regex capability when defining replication rules using Golang
- Updating documentation and existing functionalities

FullStack Mobile Developer, BytesBrick InfoSystems (Certificate) — Remote
Intern — *02/2022 - 04/2022*
- Designed and implemented NodeJS APIs for a B2B e-commerce platform
- Created REST APIs using Express and managed MySQL database interactions
- Implemented JWT client verification and integrated AWS OTP service for enhanced security

See All Work Experiences

PROJECTS

MobXcess: Secure Server Access from Mobile Devices | *Flutter, Golang, AES Cryptography* Frontend Backend
- Facilitates the execution of remote commands from mobile devices
- Ensures secure communication through the use of **AES-256-GCM**
- Provides an SSH alternative for mobile device usage

ChaturMail: AI Email Generator | *Flutter, NodeJS, MongoDB, Redis, NGINX, Kubernetes, Harbor, ArgoCD* Playstore
- Generates Email using Subject and Keywords
- **Automated, Load Balanced, CI/CD Deployment on Debian 11 VPS**
- Backup deployment on Heroku Pipeline

See All Projects

RESEARCH PUBLICATIONS

SC Connect: Secure Server Access from Mobile Devices | *IEEE Xplore* 02/2023
IEEE Bombay Signature Conference
- Proposed a secure system for accessing servers from mobile devices (Android and iOS)
- Addresses the security risks associated with using Secure Shell (SSH) via third-party applications on mobile devices
- Facilitates execution of pre-defined commands on servers from mobile applications

Statistical Data Analysis using GPT3: An Overview | *IEEE Xplore* 02/2023
IEEE Bombay Signature Conference
- Developed a novel approach for analyzing large datasets using GPT3 to predict insights from calculated statistics
- Addressed limitations of existing methods and bridged the gap between traditional statistics approaches
- Discussed the pros and cons of using GPT3 in terms of performance, accuracy, and reliability concerns.

VOLUNTEER EXPERIENCE

Postman Student Expert | *Badge* 11/2022 - Present
Student Expert
- Providing support to peers in learning APIs through sessions and workshops
- Advocating for the adoption of Postman among colleagues
- Promoting API literacy through ongoing efforts

GDSC-TCET | *Linkedin* 08/2022 - Present
Joint Technical Head
- Currently organizing and conducting technical sessions
- Fostering a community of tech enthusiasts to engage in peer learning and collaboration
- Assisting peers in their learning journeys by sharing self-learned knowledge

ACHIEVEMENTS

- Facilitated sessions and delivered presentations on Golang and related topics | *All Talks*
- Authored and published technical blogs to share knowledge and expertise | *All Blogs*

EDUCATION

University of Mumbai
Bachelors in Computer Engineering, **CGPA: 9.2**