

# 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
- Mentored by Orlin Vasilev, Vadim Bauer and Wang Yan

**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

## ACHIEVEMENTS

- Delivered talks at Kubernetes Community Days and other conferences | [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*