

Military Accounts Society, Lahore,  
Pakistan

## M. ALI ASHRAF

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### EMPLOYMENT

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<b>Principal Software Engineer</b>	<b>Contact Center Specialist</b>	<b>Aug 2022 - Present</b>
<ul style="list-style-type: none"><li>• Conduct code reviews, offering constructive feedback.</li><li>• Contribute to system architecture discussions, proposing and evaluating solutions.</li><li>• Streamline application development processes.</li><li>• On board and mentor new team members.</li><li>• Deliver high-quality code.</li></ul>		
<b>Software Engineer</b>	<b>Contact Center Specialist</b>	<b>Dec 2021 - Aug 2022</b>
<ul style="list-style-type: none"><li>• Identified and addressed application development inefficiencies.</li><li>• Documented system design and development processes.</li><li>• Implemented new services with clean architecture design.</li><li>• Monitored, maintained, and upgraded existing services.</li></ul>		
<b>Associate Software Engineer</b>	<b>Contact Center Specialist</b>	<b>Jan 2021 - Nov 2021</b>
<ul style="list-style-type: none"><li>• Created REST APIs for front-end integration.</li><li>• Detected and resolved issues in outbound call generation.</li><li>• Replaced legacy outbound service with a resilient, fast, debugable and monitorable solution.</li><li>• Enhanced logging in services for improved monitoring.</li><li>• Independently developed a critical service for automated speech recognition campaigns.</li></ul>		

### EDUCATION

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<b>Lahore, Pakistan</b>	<b>University of Engineering and Technology</b>	<b>Oct 2018 - Oct 2022</b>
<ul style="list-style-type: none"><li>• Bachelors in Computer Science with GPA: 3.3/4.0</li></ul>		

### TECHNICAL EXPERIENCE

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#### Projects

- As a Principal SE, I oversee the development and maintenance of all services for our product, **Helium**.  
References regarding my work at my current company are available upon request.
- Following are my personal side projects:
- **Tawhid Islamic Finance**: Online islamic finance learning platform.  
**Technologies**: Python(Django), Mysql, Nginx, Docker Compose, Linode, Github Actions.
  - **Certificate Generator**: Desktop app which allows to generate certificates in bulk from a given template.  
**Technologies**: C#, Winforms.
  - **Medicom**: E-commerce website and management portal for medicines.  
**Technologies**: Python(Django), Mysql.
  - **Swipe Shop**: An E-commerce based mobile app with video based interface, where user can scroll videos and place order and management portal for sellers.  
**Technologies**: Golang, Gorm, Mysql, Flutter, React, Azure.
  - **QR code generator**: A simple QR code generator app built with golang, which can embed any URL in qr code.  
**Technologies**: Golang.
  - **Twitter Rumors**: AI model designed to differentiate between rumor and actual news using PHEME data set.  
**Technologies**: Python, Keras, Pandas, Numpy.

### Open Source Contributions:

- [go-github](#): Github SDK in golang, contributed github actions cache module for sdk.
- [gorm](#): ORM for golang, contributed to issue fix regarding postgres SQL max identifier length.
- [larry](#): Twitter bot which tweets repositories from github, written in Golang. Contributed to a feature for adding repository creation dates in tweet.
- [csv-column-extractor](#): Golang package to extract only required columns from huge CSV files.
- [Go-fast-downloader](#): Golang fast down loader package, for downloading files concurrently.

### CERTIFICATIONS:

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- [AWS Certified Cloud Developer Associate](#)
- [Azure Fundamentals Az-900](#)

### DevOps Experience:

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- [Tawhid Islamic Finance](#): Developed CI-CD pipeline for this app, using Github Actions, Docker, Docker Compose, Nginx and Linode.
  - [Portfolio Website](#): My own portfolio website is deployed on Oracle Cloud VM using Github actions and docker.
  - **Cloud Providers**: AWS, Azure, GCP, Oracle, Linode.
  - **Cloud Technologies**: Docker, Docker Compose, Nginx.
  - **CI-CD Pipelines**: Github Actions, Bit Bucket Pipelines.
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### LANGUAGES:

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- Golang (daily use)
- Python (intermediate)
- C# (Basic)
- Bash (Basic)
- SQL (intermediate)