




# Emad Bin Abid

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## SUMMARY

Results-driven & language-agnostic software engineer with  $\approx 4$  years of product-led and scalability-focused experience.

## LANGUAGES

- **English:** C1 (Advanced)
- **Finnish:** A1 (Basic) - Actively pursuing continuous improvement and learning

## TECHNICAL SKILLS

- **Backend:** Golang, Python, C++, Node.js
- **Frontend:** Vue.js, Angular
- **Frameworks:** Beego, Gin, Django
- **AWS Cloud:** S3, SES, SQS, ElastiCache for Redis, IAM, EC2, Lambda, DynamoDB, CloudWatch, Redshift, RDS
- **DevOps & Deployment Pipelines:** Docker, Docker Compose, Kubernetes, Helm, Jenkins
- **Databases/Datastores:** PostgreSQL, MySQL, Redis, Elasticsearch, Redshift
- **Architectural Frameworks:** REST, Monolithic, Microservices
- **Monitoring:** Kibana, Grafana, Prometheus, ElastAlert

## EXPERIENCE

- **Senior Software Development Engineer** Karachi, Pakistan  
*Securiti.ai, securiti.ai* Jun. 2021 - Aug. 2023 (full time)
  - Spearheaded backend development for Privacy Notice and Privacy Center product modules - engineered microservices in **Golang** and **Gin**, actively utilized AWS managed services like **S3**, **Lambda**, **SES**, **CloudWatch**, and **RDS** - architected the containerized environments using **Docker** and **Kubernetes** - achieved the best performance score, leading to **100%** module adoption rate among freemium and premium customers
  - Upgraded privacy notices with in-module messaging capabilities, facilitating seamless collaboration among owners, reviewers, and approvers. It brought a **58% reduction in communication response time** within the module
  - Planned and implemented a powerful and distributed feature flagging system, which led to a reduction in deployment time by **22%** and post-release issues by **30%** - regularly worked with **Jenkins** and **Spinnaker** pipelines to ensure the best DevOps practices for feature flags
  - Maintained robust monitoring practices, including Sentry, integrated Slack alerts, ElastAlert, Prometheus, Grafana, k8s dashboard, and Kibana, to ensure the **consistent achievement of our 99.5% SLA**
- **Software Engineer** Karachi, Pakistan  
*Stellic, stellic.com* May. 2020 - Jun. 2021 (full time)
  - Served as a Founding Engineer in the backend team, overseeing requirement scoping, feature development, frontend integration, database modeling, and DevOps - contributed to remarkable growth, witnessing a transition from 5 to over 20+ paying customers in one year - **Python**, **Django**, **PostgreSQL**, **AWS**, **Docker**, **Kubernetes**, and transitioning from **monolithic to microservices** were the main technology highlights
  - Engineered in-app appointment scheduling and workflow modules - designed and coded search mechanism, heavily reliant on **Elasticsearch** - introduction of these features led to a remarkable **74%** increase in user engagement
- **Software Developer** Karachi, Pakistan  
*TPS Worldwide, tpsworldwide.com* Jun. 2019 - Nov. 2019 (Internship)
  - Researched, designed, and implemented queueing layer for the CPCP B2B integration project, using **IBM Message Queues**, **C++**, **Node.js** - the layer reduced the server load of processing concurrent messages by **55%**
  - Modernized the core banking switch and integrated **queueing service** as a middle layer between the switch and enterprise application, leading to the processing of more than **500,000 payment messages** through the system

## EDUCATION

- **University of Turku** Turku, Finland  
*Master of Science in Software Engineering* Aug. 2023 – Present
- **Habib University** Karachi, Pakistan  
*Bachelor of Science in Computer Science (CGPA: 3.63/4.00)* Aug. 2016 – Jun. 2020