

Fady Hemaya

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Experience

Instabug Senior Backend Engineer

San Francisco, United States
(Remote)
May 2025–Present

- Collaborated with product managers and leadership to design, review, and continuously improve new and existing features.
- Translated business and technical requirements into clear, actionable plans and led their execution team.
- Onboarded, and mentored new engineers while supporting the growth of current team members.
- Managed technical backlog and promoted engineering improvements and best practices.

Backend Engineer

Jul 2022–Apr 2025

- Architected and delivered a major product from concept to production, leading a team of three backend engineers and collaborating with product teams to successfully launch a new paid enterprise product.
- Initiated and implemented a real-time monitoring system using Grafana and Prometheus for one of Instabug's main products (Bug Reporting), enhancing system observability and enabling faster incident detection and resolution.
- Integrated ClickHouse via Kafka to store and aggregate large-scale data, boosting query performance by 70%.
- A key contributor to the team responsible for Instabug's crash reporting, a critical product used by billions of devices, adding new features and improving its performance to meet large-scale demands.
- Implemented and managed multiple third-party integrations with Instabug, including ServiceNow, Microsoft Teams, and Jira, increasing platform adoption and delivering value to customers.
- Drove technical resolution for enterprise clients through debug sessions and root cause analysis, successfully resolving critical issues for customers while maintaining SLA compliance.
- Maintained system reliability through on-call rotations, ensuring rapid incident response and resolution.
- Tech stack: Ruby on Rails, GoLang, MySQL, Sidekiq, Kafka, ElasticSearch, ClickHouse, Redis, AWS, Docker, Kubernetes, Prometheus.

Automation Engineer

Jul 2020–Jun 2022

- Designed and implemented a custom Kotlin automation framework for Android devices, reducing manual testing time and enabling comprehensive stress testing under high-load conditions.
- Developed Java framework end-to-end automated test suites for Backend and Frontend systems, significantly reducing regression testing time and expanding test coverage.
- Conducted security testing protocols and performance testing across application layers, proactively identifying critical vulnerabilities.
- Built and maintained a comprehensive regression testing suite covering critical user workflows, minimizing post-release defects.
- Tech stack: Java, Kotlin, JMeter, TestNG, JUnit, Cypress.

Gameball
Software Engineer Intern

Cairo, Egypt
Jul 2019–Sep 2019

- Developed and launched a WordPress plugin that automated Gameball widget integration, streamlining API implementation for WordPress site owners.
- Successfully published the plugin to WordPress marketplace, achieving a 5-star rating and facilitating seamless customer onboarding.
- Tech stack: PHP, WordPress.

German University in Cairo
Junior Teaching Assistant

Cairo, Egypt
Feb 2018 - May 2018

- Led hands-on programming tutorials and lab sessions for first-year Engineering students, providing technical guidance and debugging support.
- Worked closely with the teaching assistant and the lecturer to identify issues that students had to develop a solution.

Education

German University in Cairo
B.Sc. Computer Engineering. Excellent with Honors

Cairo, Egypt
2021

Bachelor Project - A machine learning Python model to predict Epileptic Seizures: Applying signal preprocessing, feature extraction and machine learning techniques on heart signals (ECG) to detect whether an epileptic seizure will occur in the next 1-5 minutes.

Technical Skills

- **Programming Languages:** Ruby, Golang, Java, JavaScript, Kotlin, Python, PHP
- **Databases & Message Queues:** MySQL, Redis, Elasticsearch, ClickHouse, Kafka, Sidekiq
- **Infrastructure & DevOps:** AWS, Docker, Kubernetes, Prometheus
- **Testing & Automation:** JMeter, TestNG, JUnit, Cypress
- **Frameworks:** Ruby on Rails, React Native

Volunteer Experience

- Supported educational workshops in Egypt focused on empowering underprivileged children and refugees through technology and development programs
- Participated in multiple medical and educational missions in Cape Verde, Africa, working with an NGO to deliver essential services to local communities
- Responsible for content creation and social media management for an NGO, developing marketing materials and managing online presence to amplify mission reach and community engagement

Languages

- Arabic: Mother language.
- English: Highly proficient in speaking and writing.
- German: A2.1 level.