

# ramy about naga

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## EXPERIENCE

May. '18 — Present **Lead Backend Engineer** ..... ArqamFC (Egypt)

- Revamp and maintain the infrastructure of the data collection portal to achieve higher performance and faster response times.
- Build and maintain new internal tools to help migrate the platform to v2.
- Build and maintain new API services to back the frontend tools used by the data collectors.
- Onboard and mentor new team members, and act as a technical reference for the technological stacks used in the platform.

Sep. '14 — Jan. '18 **Research and Teaching Assistant** ..... German University in Cairo (Egypt)

- Pursued my M.Sc. studies in the fields of Image Processing and Computer Vision.
- Taught courses and organized technical events related to web and mobile development for 4<sup>th</sup> year Computer Engineering students, offering them chances for internships and employment.

Mar. '17 — Aug. '17 **Sr. Backend Engineer, Part Time** ..... Elves (Egypt)

- Built the backend of Botman, a Facebook bots manager developed with Ruby on Rails, MySQL, and Redis.
- Integrated the APIs of vendors and 3<sup>rd</sup> party services with Botman to provide a friendly interface to users through bots.
- Architected multiple bots using Botman and deployed them onto the company's Facebook page, which takes 60% less time now per bot using Botman compared to the old YAML method that was used before.
- Designed, developed and maintained the micro-services architecture and infrastructure of v3 of the Console, along with other internal tools, making them more manageable and maintainable than when it was a single monolithic app.

Sep. '16 — Feb. '17 **Sr. Backend Engineer, Part Time** ..... Instabug (Egypt)

- Developed features of the Ruby on Rails backend handling the frontend and the mobile SDK used by 800K+ users.
- Worked with AWS's EC2, S3, EFS, RDS, ElasticCache, Elastic Beanstalk, CloudWatch, SES, SNS, and RedShift.
- Implemented the web app of SCPP, a score counter for ping-pong developed using Go during a Hack Week.

Dec. '13 — Dec. '14 **Sr. Backend Engineer** ..... Robusta (Egypt)

- Built the backend of Limopedia, a SaaS for limousine renting companies that offers them 2-minutes white-labeled solutions. It used to take a minimum of a week to rollout a new version of the platform for new customers.
- Developed the backend of LetsApp, a mobile social platform for events, using Ruby on Rails, MySQL and Redis.
- Implemented internal tools for EMC<sup>2</sup> and P&G to help manage their internal operations.

Jan. '13 — Nov. '13 **System Analyst / P.S. Consultant** ..... Etisalat Misr / Teradata (Egypt)

- Worked with Teradata's DWH solution and SQL to generate BI reports.
- Designed analytical reports using SAP BusinessObjects Crystal Reports, and InfoView.
- Transformed business needs into technical requirements to be implemented according to their feasibility.

Jun. '08 — Aug. '13 **Co-Founder / Sr. Full-Stack Engineer** ..... mash, Ltd (Egypt)

- Lead the planning and development of multiple Ruby on Rails projects such as PlanOroid, Raneen, SpeakOL (previously Naqeshny) and NasTrends.
- Developed multiple Ruby on Rails projects, such as Nabda Care, Nabda Net, FilBalad, Meetphool, and LiveAds.
- Handled clients and dealt with project managers and team leaders during the development cycle of these projects.
- Managed and lead a team of seven full-stack engineers across multiple projects.

## EDUCATION

Mar. '15 — Mar. '17 **M.Sc. in Computer Engineering** ..... German University in Cairo (Egypt)

Master Thesis: "Indoor Localization using Cluster Analysis" using Go and OpenCV (Grade A).

Sep. '07 — Jul. '12 **B.Sc. in Computer Engineering** ..... German University in Cairo (Egypt)

Cumulative GPA: 3.61/4.0 (Grade A, Ranked 9<sup>th</sup>).

Bachelor Thesis: "Head and Eye-Tracking" using C/C++ and OpenCV (Grade A).

## SKILLS

Ruby (on Rails)	★★★★★	Go	★★★★☆	Java	★★★★★
NodeJS/TypeScript	★★★☆☆	Python	★★★☆☆	C/C++	★★★☆☆
Docker	★★★★☆	AWS/GCP	★★★★☆	DevOps	★★☆☆☆
MySQL/*SQL	★★★★☆	MongoDB/NoSQL	★★★☆☆	Redis	★★★☆☆
HTML5/CSS3/JS	★★★★☆	Swift	★★★☆☆	Android	★★★☆☆
Arabic	★★★★★	English	★★★★★	German	★★☆☆☆

Topics of interest: Web Application Development, Micro-services Architecture, Chat Bots Design, Cloud Computing, Parallel Programming and Concurrency, Networking and Socket Programming, Database Design and Optimization, Data Structures and OO-Programming, and UI/UX Development.