

Mohamed Shaaban

Contact Information

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Technical Skills

- Data Structures and Algorithms
- Languages: Java, JavaScript, Node.js, TypeScript, Bash
- Frameworks & Libraries: Spring, React, Express, Jest
- Tools: Git, Docker, AWS CDK, Terraform, Jenkins
- Databases: MySQL, Redshift, DynamoDB
- Cloud Infrastructure (AWS): Lambda, API Gateway, S3, EC2, ECS, DynamoDB, CloudFormation, IAM, VPC, CloudWatch, SSM
- Testing: Unit and integration testing, security scanning, end-to-end testing

Relevant Professional Experience

- **Amazon Web Services (AWS)**, Berlin, Germany **July 2020 – Present**
Senior Software Development Engineer July 2022 – Present

- Tackled architectural and operational challenges to ensure Redshift Query Editor V2 scaled efficiently with user growth. Worked on high-availability, performance optimizations, and system robustness.
- Drove global expansion by simplifying regional deployment pipelines and enabling faster multi-region rollout.
- Acted as the technical go-to for ambiguous or high-risk initiatives, frequently consulted by teammates and leadership on system-wide decisions.

Software Development Engineer II

July 2020 – June 2022

- First hire in Berlin for the Query Editor V2 team after AWS's acquisition; collaborated with the original founders on migrating the editor to AWS infrastructure, CI/CD, security, and testing - culminating in the service's successful **General Availability** launch.
 - Delivered cross-functional features in close collaboration with product and UX teams.
- **Senior Software Engineer** (Careem for Business, Careem NOW)
Careem, Berlin, Germany **November 2017 – June 2020**
 - Simplified the process of creating user interfaces by creating a shared React UI components library to be used across Careem web projects, to have consistent user experience and reduce development time by reusing existing components.
 - Architected Careem for Business portal for corporate customers
 - Managed AWS Infrastructure of Careem Corporate and Careem NOW

Technologies & Tools:

React, Redux, Node.js, Webpack, Babel, Hapijs, Ramda, Jest, Enzyme, Docker, AWS

- **Front-end Engineer** (Checkout Team)

Zalando SE, Berlin, Germany

November 2015 – September 2017

- Rebuild the checkout flow including the move to the frontend microservice architecture serving more than 19m customers
- Created monitoring dashboards and alerts to monitor the operational health
- Raised the awareness of Site-Reliability Engineering in the team, setting up backoff/retry strategies, having fallbacks, and reviewing capacity planning
- Implemented different tracking types including click tracking and onsite message tracking to help product specialists monitoring and making the right decisions

- Helped other teams moving to the new microservice architecture, as Checkout was the first rebuild project

Technologies & Tools:

React, Redux, Node.js, Webpack, Hapijs, Ramda, node-bunyan, Mocha, Chai, Proxyquire, Sinon, Enzyme, AWS, Docker, Scalyr

• Front-end Engineer

Marisoft, Cairo, Egypt

August 2010 – August 2015

Contributing in building an Enterprise Resource Planning system for small-to-medium manufacturing based companies. Responsible for core front-end engineering.

- Designed, implemented, and maintained GXT-based form designer, which used by developers to design and generate all system forms (both front & back ends).
- Designed, implemented, and maintained a new JavaScript based scalable architecture after deciding to move from GXT to native JavaScript, in order to reduce the development time, and let developers work simultaneously in their modules.
- Developed a web-based internal attendance management system (both front & back ends).

Technologies & Tools:

Ext/GWT, Spring web MVC, HTML5, JavaScript, Kendo UI, jQuery, RequireJS, ScaleApp, Node.JS, Grunt, Bower, and Bootstrap

• Web Engineer (Part-time)

SocialRoo, Use big-data, math & tech to market smarter

January 2013 – August 2014

SocialRoo is a smart marketing tool based on sentiment analysis process applied automatically on social media activities. Responsible for developing innovative tools, applications, services, and platforms to improve SocialRoo's internal systems and external product offerings.

Technologies & Tools:

Java, Vaadin7, MySQL, Facebook Graph API's, Facebook FQL, and HighCharts

• Front-end & Back-end Developer (Part-time)

Elance/Upwork, Online freelancing

January 2013 – July 2015

Elance is a site that facilitates the introduction of 2+ million skilled freelancers from around the world to business managers. I worked on projects such as

- Building a Facebook-Parse cloud-based backend for VideoGaga app
- Integrating HighCharts library with GXT and Vaadin
- Extending apache shindig to add support for custom widget styles
- Building JSON parsers

Technologies & Tools:

Java, Vaadin7, MySQL, Kendo UI, JavaScript, PHP, Parse.com, Backbone, and AngularJS

Certifications

- AWS Certified Solutions Architect - Associate July 2019
- New Relic Certified Performance Pro September 2019

Education

Cairo University, Egypt

BSc. in Computer Science & Information Technology

September 2006 – June 2010

**Interests and
Hobbies**

Programming & Security
Photography / Astrophotography
Drawing & Arabic calligraphy