

Hatem Hussien

Senior Software Engineer

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Hardworking software development professional driven to increase team effectiveness. Focused on usability and performance improvements. Proven history of developing useful, efficient and cost-effective projects.



Skills

- ◆ PHP (Laravel) , Ruby (Ruby on Rails)
- ◆ PostgreSQL, MySQL, RDS, MongoDB
- ◆ ReactJS (Redux, Immer, Sagas, Immutable)
- ◆ AWS (EC2, Lamda, SNS, SQS, STS, Cognito, Kenesis, S3, Route53)
- ◆ Docker, Kubernetes, Jenkins, Kibana, Tests
- ◆ JIRA, Trello, AGILE



Work History

Jan 2019 - **Senior Software Engineer**

Current *PixelogicMedia, Cairo, Giza*

- Participated in pull requests, code reviews and pair programming
- Mentored junior developers to follow best practices in coding (SOLID,DRY, Test Coverage).
- Key member in design phase of software to streamline process needed to fulfill client requirements.
- Optimized and refactored legacy code according to the acceptance criteria of the clients
- Maintained high test coverage by implementing unit, integration and E2E tests.
- Used AWS services extensively based on the design suggested for the software (EC2, Lamda, Kenesis, RDS, Step Function, DMS, SQS, SNS, STS, Cognito)
- Created Jenkins jobs for automatic deployments and running tests and building the project.
- Used Docker in conjunction with Kubernetes for Deployments
- Used Kibana, Metabase, Cloudwatch for monitoring and logging

Aug 2016 - Dec 2018 **Software Engineer**

Micro-Engineering Tech Inc, Cairo, Heliopolis

RoboGarden

- Deployed and architected our Platform on AWS Cloud.
- Implemented Payment System using stripe.
- Implemented Multiple Modules APIs in Laravel following DDD architecture pattern.
- Helped with Frontend Development in Angular JS
- Implemented Unit tests for critical modules in the system
- Added Particle System and Multiple Functionality to our Game using JavaScript in ThreeJS 3d Engine.
- Link : <https://robogarden.ca>

Regime

- Implemented an archiving system for sensor data for over 70M data-point
- Used MySQL CSV bulk import to improve data entry,Indexing,Stored Procedures for improved query performance.
- Implemented a real-time system to show sensor data using NodeJS with a delay of ~200ms.
- Used TCP servers to collect data and Web-Socket Servers to send it to the browser using Socket.IO.
- Used MongoDB (no SQL) to save sensors names and ports and last 5 minutes data.
- Implemented a reporting and alarming systems in Laravel PHP
- Used Laravel Task Scheduling and normal CronJobs for reporting.
- Link: Confidential

WMS++

- Redesigned our warehouse management system using modular architecture in MVC.
- Used redis for real-time notifications and caching.
- Created Stored Procedures and SQL Functions to optimize query performance.
- Handling Multiple Databases for each user and automatic creation of database based on the modules used.
- Link: <http://wmsplusplus.com>

Jan 2016 - May 2016 **Software Engineering Intern**

IBM, Cairo, 6th of October

- Provided software optimizations to maintain performance levels.
- Helped application engineers generate with maintaining code coverage levels
- Learned about AGILE process and software development life cycle



Education

Sep 2011 - Jun 2016 **Bachelor of Science: Computers And Systems Engineering**

Ain Shams University - Egypt,Cairo

- Graduated with 3.3 GPA
- Graduated in Top 5% of Class

- Graduation Project: RFID based smart systems.
- Graduation Project Grade: Excellent.
- Project URL :<http://wmsplusplus.com/basic>
- Role: Part of team of 6 responsible for create a warehouse management system with real-time tracking and monitoring of assets using RFID technology and SVG for visualization of the full warehouse and forklift movement.



Languages



English



Arabic



French

