

# Islam Samy

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Experienced Software Engineer with a diverse skill set spanning [PHP](#), [Laravel](#), [Nuxt.js](#), [Vue.js](#), and now proficient in [Golang](#) in addition to wide [DevOps](#) skills. Proven record of accomplishment in developing scalable web solutions and contributing to large-scale projects.

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## Experience

12 OCT 2023- CURRENT

### Software Engineer/Skyloov - Dubai, UAE

Backend Developer specializing in PHP, Laravel and Lumen, contributing to a large-scale project alongside a Python team on a microservice-driven portal for real estate sales.

Explore At [skyloov](#)

#### Marketing Microservice:

Managed advertising campaigns within the application, including social media, SMS, and email campaigns. Additionally, facilitated advertising for agencies using the CRM through banners and portal features.

#### Analytics Microservice:

Developed an application tracking end-user movement to personalize recommendations efficiently. Managed a substantial hourly data influx, ensuring accurate and timely delivery while optimizing resource usage. Integrated social media metrics from Facebook, Google Ads, and TikTok for unified analytics.

#### CMS Microservice:

Created a dynamic CMS mirroring WordPress functionality—enabling instant creation of new pages, blogs, and tags. Streamlined the front-end development by assisting the team after completing tasks ahead of schedule.

#### Chat Microservice:

Spearheaded chat functionality using MongoDB for robust data management. Employed Pusher for real-time capabilities and Laravel with OpenSwoole to optimize concurrency.

#### Tracking Microservice:

Build a new Microservice to real-time track every agent and report their movements to the Agency admin, Employed Pusher for real-time capabilities and Lumen with OpenSwoole to optimize concurrency.

**1 DEC 2022- 1 OCT 2023**

## **Software Engineer/Blue Holding - Alexandria, Egypt**

Proficient in Laravel and recently expanded skills to include Vue.js for both frontend and backend development.

Managed hosting and deployment responsibilities initially with Jolt UK's cPanel, later transitioned to AWS for project deployment.

### **Latest Projects:**

#### **AGS American Gulf School: Online Educational Platform**

Explore AGS American Gulf School: [ags](#)

Backend Access CMS: [ags-cms](#)

Developed the official online platform for the American Gulf School, covering management, admissions, academic programs, and school life.

Ensured a seamless user experience by overseeing backend development, CMS crafting, and deployment.

#### **Map-App: Discover Nearby Landmarks with Ease**

Explore Map-app: [map-app](#)

Developed a comprehensive application aiding sales by locating nearby landmarks with details like ratings, addresses, and contact numbers.

Spearheaded the project from inception to unrestricted access, transitioning to restricted company access.

#### **Blue Holding Intranet: Exclusive Social Hub**

Explore Blue Holding Intranet: [blueholding-intranet](#)

Backend Access: [blueholding-intra-back](#)

Built a company-tailored social media hub for internal communication, akin to LinkedIn.

Integrated real-time features using Redis and managed manager emails via AWS SES for efficient notifications.

#### **Nortech: Engaging Social Challenge Game**

explore Nortech: [nortech](#)

Back-End Access: [nortech-back](#)

Backend development lead for an interactive game integrating diverse challenge levels and scoring mechanisms.

Managed CMS interface and deployment process for this engaging social entertainment tool.

**1 DEC 2021– 1 DEC 2022**

## **Backend Developer/Poslix - remote – Muscat, Oman**

Worked as a software engineer specializing in PHP Laravel for backend development.

#### **Poslix: Streamlined ERP for Diverse Point of Sales**

explore Poslix: [poslix](#)

Crm: [poslix-crm](#)

Developed backend and APIs for an ERP solution catering to various point-of-sale businesses.

Overcame challenges with an existing damaged database, successfully refining it for required mobile APIs.

**1 JAN 2020 – 1 DEC 2021**

### **FREELANCER/Fiverr, and Upwork - remote**

Worked as a software engineer specializing in PHP Laravel for backend development and Vue.js for frontend while also possessing graphic design skills.

Engaged in temporary freelance work while pursuing studies.

#### **Gigs:**

[Fiverr Profile](#)

[Upwork Profile](#)

#### **Latest Projects:**

##### **Media-Share: Showcase Freelancers' Portfolios**

explore Media-Share: [media-share](#)

Created a platform for freelancers to display their portfolios to potential clients.

##### **Y-GYM: Gym Management Application**

Watch Tutorial: [Tutorial](#)

Designed a comprehensive gym management application with a user-friendly dashboard for administrators and trainers.

Successfully implemented at a local network gym, with the tutorial link for local access requirements.

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## **Education**

**1 JAN 2017 – 1 JUNE 2021**

### **Bachelor of Computer and Informatics/ Kafr Elsheikh University - Kafr Elsheikh, Egypt**

I was in the computer and information faculty, information technology department for academic learning, and computer science as self-learning.

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# Certifications

1 DEC 2022 – 1 MAR 2023

**ADVANCED CLOUD DEVOPS CERTIFICATION/ FWD Egypt at Udacity**  
<https://graduation.udacity.com/confirm/9TGWADKZ>

It was a long journey in AWS started Dec 2022 - Mar 2023, I learned a lot of things such as Cloud Fundamentals, how to Deploy Infrastructure as Code (IAC) with AWS cloud formation and how to Build CI/CD Pipelines, Monitoring & Logging, and some of Foundations of Agile.

1 MAY 2021 – 1 JUL 2021

**FRONTEND CERTIFICATION/ Information Technology Institute**

It was such an enjoyable time, I learned a lot of front-end skills such as: the basics, of course, HTML, CSS, JavaScript, ES6, TypeScript and jQuery too, and some libraries like Bootstrap

OCT 2023

**International English Language Testing System (IELTS)/ British Council**

I had IELTS Overall Band: 6 (Listening: 6, Reading: 6, Speaking: 6, Writing: 5.5).

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# Skills

- Recently acquired valuable skills in [Golang](#) to optimize concurrency, particularly utilizing [Gin](#) and [Goravel](#) frameworks.
- Experienced in [PHP](#) programming language and adhering to best practices, with strong skills in Object-Oriented Programming ([OOP](#)). I have previously utilized [Laravel](#) and [Lumen](#) frameworks extensively in development.
- Proficient in front-end technologies, including [Nuxt.js](#), [Vue.js](#), [JavaScript \(ES6\)](#), [jQuery](#), [Ajax](#), [HTML5](#), [CSS3](#), [Tailwindcss](#), [Bootstrap](#), and of course [SEO](#)
- Proficient in [caching](#) strategies for optimizing application performance using [File caching](#) or even [Redis caching](#)
- Skilled in implementing [real-time](#) features utilizing [Redis](#) for efficient data handling.
- High proficiency in various [queuing systems](#) for scalable and efficient data processing such as [Kafka](#).
- Expertise in indexing and searching using [Elasticsearch](#) and [Laravel Scout](#) for efficient and robust search functionality.
- I excel in handling [relational databases](#), particularly proficient with [MySQL](#) and [MSSQL](#) in recent projects, and of course, [SQLite](#).
- Strong skilled with [NoSQL](#) databases and their different structures such as [MongoDB](#), [Elasticsearch](#), and even basic knowledge of column-family stores such as [Apache Cassandra](#)
- Well-versed in [RESTful APIs](#) and possess extensive knowledge of [GraphQL](#).

- Highly proficient in [Docker](#), with a record of accomplishment of practical implementations.
- Recently acquired [Kubernetes](#) skills, which helped me to build high scalable applications and build [microservices](#)
- Acquired [DevOps](#) skills with [AWS cloud](#), including [Cloud Fundamentals](#) such as [static hosting](#) with [S3](#) and promotion with [CloudFront](#). I am familiar with [VPC](#) functionality and capable of creating private networks manually and using automation. Proficient in deploying Infrastructure as Code ([IaC](#)) with [AWS CloudFormation](#) and building [CI/CD](#) pipelines using [Jenkins](#), [CircleCI](#) and [GitHub](#). Experienced in Monitoring & Logging with [Prometheus](#).
- Solid understanding of [Git essentials](#) and version control systems, including [GitHub](#) and [GitLab](#).
- Currently practicing and gaining expertise in [bash](#) scripting using [Linux](#).
- Familiar with the foundations of [Agile](#) methodologies.
- Proficient in [SOLID principles](#) and [Design Patterns](#), having achieved exceptional grades in this field.
- Competent in [UI/UX](#) and [Graphic Design](#), which is also a personal hobby. Proficient in utilizing [Adobe Illustrator](#), [Adobe Photoshop](#), and [Adobe XD](#) to bring creative ideas to life.
- Possess excellent soft skills, including effective [communication](#), [teamwork](#), [leadership](#), and [critical thinking](#) abilities.

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## Achievements

### - *At Skyloov:*

- **Marketing Microservice:** Introduced a script for sending email campaigns using Kafka for queuing. This ensured no data loss, leveraging Kafka as the primary queuing system in the application, even when handling vast amounts of data.
- **Analytics Microservice:** Designed and managed the entire microservice. To address the challenge of storing massive data on user impressions, clicks, favorites, and leads without incurring high costs, I used MongoDB. By storing daily counts within a single document under different keys, I optimized performance and long-term data storage.
- **Chat Microservice:** Utilized MongoDB for its write-heavy operations and Octane to allow Laravel to run statefully. Initially proposed NatsIO for real-time capabilities, but switched to Pusher due to front-end team preferences, ensuring seamless WebSockets over HTTP.
- **Tracking Microservice:** Implemented using PostgreSQL due to the read-heavy nature of the logic. Leveraged Lumen, a lightweight framework from Laravel, for better concurrency control with Swoole.
- **DevOps:** Rebuild all the Microservice on a local server for both the development and staging environments instead of AWS which saved many costs for the company

### - *At Blueholding:*

- **AGS (American Gulf School):** Managed both frontend and backend development using Laravel for APIs and CMS. Without a dedicated DevOps team, I also took on deployment responsibilities, ensuring the application went live smoothly.
- **Map-app:** Delivered a comprehensive application within a tight 2-hour deadline, fulfilling the marketing team's requirements efficiently.

- ***At Poslix:***
- **Legacy Application Management:** Took over a previously built Node.js and PostgreSQL application that treated RDS as a document store. Successfully adapted to the existing structure and developed new APIs to meet the client's needs.
- ***In Freelancing:***
- **Media-Share:** Developed a CRM platform for freelancers to showcase their portfolios.
- **Y-GYM:** Overcame the challenge of a client without cloud infrastructure. Set up a local environment and network, making the gym management application accessible only within the client's gym, resulting in a highly satisfied client.