

# Wael AlMATTAR

**Software Engineer - Berlin**

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<http://waelalmattar.com/>

<https://www.toptal.com/resume/wael-almattar>

Highly motivated, pro-active and ambitious freelance Senior Software Engineer who is instinctively entrepreneurial. Agile evangelist. Strong personality and leadership abilities. Experienced in managing international and distributed teams. Open minded and bright with 9 years of experience in web development, performance optimization and architecture design.

**My focus nowadays is on blockchain technology using Cosmos SDK for app specific chains or writing optimized Solidity Smart contracts on Binance and Ethereum blockchain.**

I gained a solid experience during my intensive course from Interchain Cosmos Academy in 2022 <https://academy.cosmos.network/> to work with Cosmos SDK and IBC protocol. Contributing to Open source projects, my github: <https://github.com/waelsy123>

## **WORK EXPERIENCE**

### **Senior Backend Engineer**

**Klarna**

Remote

Jan 2021 - June 2022

Responsibilities:

- Worked in a team to develop and maintain browsers within the Klarna application.
- Took responsibility of the backend infrastructure as of BFF Backend-Facing-Frontend layer and internal service to serve Klarna users.
- Used Node.js and Typescript to develop and maintain backend services which handle more than 10 million requests a day.
- Write testable, documented code that is highly maintainable
- Develop for maximum performance, compatibility and a world-class user experience.
- Stay up-to-date on emerging technologies and frameworks

**skills:** Node.js, Go, Typescript, AWS, Kafka, Redis, Microservices

## Senior Javascript Engineer

**Zalando**

Remote

May 2020 - Dec 2020

### Responsibilities:

- Used modern Web technologies and frameworks to develop frontend distribution systems for components and libraries used across the whole retail center.
- Written testable, documented code that is highly maintainable
- Developed for maximum performance, compatibility and a world-class user experience, across devices and form-factors.
- Collaborated with UX/UI designers to improve usability and accessibility
- Automate repetitive tasks when possible

**skills:** Node.js, Typescript, AWS, React.js, NPM packaging, Microservices, Antd, Storybook, GraphQL

## Senior Backend and Microservices Engineer

**Anhauser-Busch via Toptal**

Remote

Nov 2019 - May 2020

### Responsibilities:

- Initialize the backend infrastructure development for a new payment service to be used in Southern America with expected 1 million daily user
- Design of the overall backend framework (security, documentation, deployment, testing etc)
- Implementing e-wallet single page application with React.js and webhook
- Creating checkout components for external usage by customers and publish NPM library
- Working with the team of 10 developers to implement the backend services by GraphQL
- Working with the rest of the squad and external service providers to ensure that the backend services needed in each iteration are delivered
- Ensuring that the pace of delivery is protected by applying best engineering practices
- Offering strategic direction on best design practices
- Document every stage of developments

**skills:** Node.js, Golang, GraphQL, Typescript, Kafka, Microservices, Azure cloud, Kubernetes, Azure pipelines

## Senior Full-Stack | System architect

### Yara Digital Labs

Dec 2018 – Nov 2019

Berlin, Germany

#### Responsibilities:

- Worked with engineering managers to construct the new team to build a new platform which is being used by Yara's sales team in more than 10 countries.
- Constructed a project with Typescript, GraphQL and Caching using Redis on Backend. And React.js with hooks and Material UI in frontend.
- Consulted the business team to draw a reliable road map.
- Worked mainly as a backend developer as a daily routine.
- Interviewed candidates for permanent roles to continue working on the project.
- Worked with the SRE team to ship deployments with CircleCi, docker and kubernetes.

**skills:** Node.js, GraphQL, React, Typescript, Redis, Material-ui, Elastic, Git, unit test, AWS, Docker, Kubernetes, react hooks

## Senior Backend and Microservices Engineer

### Techloop.io

Sep 2017 - present

Remote

#### Responsibilities:

- Developed backend for a platform serves 100k users and 12k companies.
- Took responsibility as a lead programmer for the whole backend infrastructure including microservices, gRPC and RESTful APIs.
- Introduced GraphQL and react hooks to the platform.
- Worked with the team to develop full stack with microservices third-party solutions
- Consulted the business team to draw a reliable road map
- Worked closely with the analytics team to provide rich source of data
- Proposed a simplified but scalable system architecture that is being used at the moment in the production environment.
- Used automated solutions to accelerate the development process.
- Extended the existing API with more features and functionalities.
- Tracked tasks, features and bugs with Jira and Axana.
- Implemented data driven approach to support the marketing and sales teams.
- Created one page application with React.js with custom components on top of MUI v4.
- Worked with the business development manager on breaking down new business models to realistic technical tasks with a clear roadmap.

**skills:** Golang, Node.js, React.js hooks, GraphQL, Microservices, Typescript, RESTful APIs, Git, Koa, RabbitMQ, Elasticsearch, React.js, PostgreSQL, CronJobs, Docker, antd, auth0, algolia, segment, material-ui, unit test, heroku workers, kubernetes

## React.js Developer

International Committee of the Red Cross (Outsourced via Iosbar Blue infinity)  
Mar 2017 – Sep 2017 ( 6 months )

Zurich, Swiss

Responsibilities:

- Developed a custom CRM system by the International Committee Red Cross.
- Tracked features and fixed bugs using Microsoft's TFS platform and Microsoft PBI.
- The platform has been launched successfully and has been in production used internally by ICRC.
- Provided full unit testing and clear documentation.

**skills:** Node.js, React, Typescript, Material-ui, Git, unit test, AWS, Docker

## React.js Developer

Dether.io  
Jan 2017 – Mar 2017 ( 3 months)

Paris, France - remotely

Responsibilities:

- Leading development an interactive map for users and clients
- Draw a development plan to keep the code well-organised and fully-tested including UI, load, unit, and end-to-end testing
- Full-stack development with React, Redux and Leaflet

**skills:** Node.js, React, Leaflet, Redux-React, Heroku, lint, CircleCi

## SOFTWARE DEVELOPER

Vari Solutions  
Oct 2016 – April 2017 (7 months)

Greater New York City Area, USA - remotely

Responsibilities:

- Working with the core team to grow the main product VariTest
- Development of API platform
- UI, load, unit, and end-to-end testing
- Full-stack implementation for the platform.

**skills:** Node.js, Cache mem, postgresql, Angularjs, Travis, Heroku, Lint, chai, puppeteer.js, Locust,

## SOFTWARE DEVELOPER

GlobeIT

Warsaw, Poland

Mar 2015 to Sep 2016 (19 months)

- Designed a complete platform for GPS tracking devices with live real-time tracking using NodeJS, Socket.io and AngularJS.
- Created and designed encoder/decoder server for handling GPS binary device's data and sending commands.
- Optimized web application speed and data structures by combining Memory and Mysql databases.
- Led API development of new eCommerce/Digital platform ( PHP and Nodejs)
- Designed a dashboard and complete solution for the chat module of an eCommerce project using PHP and AngularJS.
- Maintained existing eCommerce and Digital applications to meet the ever-evolving demands of the business (PHP)
- Implemented online payment system for eCommerce services.
- Created from scratch an interactive Web Conference Video platform for creating video rooms with text and voice using WebRTC technology, socket.io and jQuery.
- Understanding of a huge existing site.
- Used AngularJS as the development framework to build a dashboard, a single-page application and to create more interactive front end development.
- Developed a Web-Scraping web application with Entire server side application using Python.
- Formulated and documented technical architecture, components and strategies for mitigating technical challenges.
- Worked with the business to identify the API's, define data schema and document workflows.
- Design and develop Custom Components, workflows and templates.
- Used Git Version Management.
- This Web application is based on oauth2 based Authorization and Authentication.
- Design & develop common platform frameworks on NodeJS. Ex:- logging, rest client, exception handling.
- Developed the entire server side application using NodeJS.
- Used Socket.io RESTful for web service by exchanging JSON data between the applications.

**Skills:** NodeJS, AngularJS, SOCKET.IO, ExpressJS, Redis, PHP, CSS, jQuery, Zend framework, MySQL, Python, WebRTC, loopback.

## WEB DEVELOPER INTERN

Mamania.pl

Warsaw, Poland

July 2014 to September 2014

- Worked on various projects where I was guided by more experienced, senior developers.
- Integrated and tested an online payment system to the eCommerce platform.
- Primarily worked as a full-stack developer as part of my Bachelor degree thesis.

Skills Used:

Zend framework, PHP, MySQL, CSS

## **EDUCATION**

### **JOINT MASTER IN SPACE SCIENCE AND TECHNOLOGY:**

3rd semester | Université Toulouse III - Paul Sabatier      Toulouse, France  
Sep 2016 to April 2017

2nd semester | Lulea University of Technology      Kiruna, Sweden  
Feb 2016 to June 2016

1st semester | Julius-Maximilian's University      Würzburg, Germany  
Oct 2015 to Feb 2016

### **Bachelor in Computer Science, GPA 4.1**

Warsaw University of Technology      Warszawa, Poland  
Oct 2011 to Feb 2014

## **AWARDS**

### **2010 - Bronze Medal - Olympiad in Informatics**

competition requires solving problems of an algorithmic nature under time pressure.

### **2012 - 5th place - ACM Collegiate Programming Contest**

3 member teams contest requires solving problems of an algorithmic nature under time pressure.

## **LANGUAGES:**

English C1 - Arabic Native - Czech B1 - Polish B1 - German A2

## **HOBBIES:**

Skiing, Gymnastics, Chess, Piano, Swimming, Paragliding, Skateboarding