

# Victor Hazard

Senior software engineer, full-stack developer

✉ vihazard430@gmail.com ☎ +3263245812 📍 Arlon, Belgium

🔗 <https://www.github.com/black02430horse>

## ABOUT ME

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As a full-stack and web3 developer with **8** years experience, I am privileged to work in a field that blends creativity with cutting-edge technology. I relish the opportunity to expand my technical expertise, which in turn fuels my creativity - and the synergy between the two never ceases to amaze me.

A self-driven, detail and result-oriented, hard-working professional with a solution-oriented and continuous improvement mindset. I'm a well-organized, responsible person with a curious and ambitious attitude to everything I do.

I enjoy accepting new challenges and making them work, solving problems starting from identifying challenges, analyze root causes, and implement effective solutions to keep projects on track

## SKILLS

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**Programming language** (javascript/typescript, PHP, python, rust, golang, solidity, C++), **System design** (Microservice, Serverless, Cache, TDD, DDD, CAP, DNS, CDN, Load balancing), **Frontend** (react.js, react native, next.js, RESTful API, graphql, websocket), **Backend** (node.js[express.js, nest.js], fastAPI, django, rust[tokio, warp], go[echo], SQL, NoSQL, Redis), **Devops** (Github, Gitlab, CI/CD, Docker, Kubernetes, Terraform, Ansible), **Cloud** (AWS, GCP, Cloud agnostics), **Web3** (Ethereum, Solana, Hardhat, web3.js, ether.js, cosmwasm, wallet connect, Graph, Zero knowledge), **Others** (Agile, Scrum, Kanban, Mentoring)

## PROFESSIONAL EXPERIENCE

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**Senior software engineer (IT consulting - contractor)**

Feb 2022 – present | US • Remote

Create.xyz

- Participated in whole development lifecycle for building robust and reliable software projects in various industries like **Fintech**, **E-commerce**, **climate-tech** and **Gaming**.
- Developed consumer app with **20,000+** users, allowing shoppers to avoid overpaying online.
- Utilized **web scraping** with **Puppeteer** and **BullMQ** for collecting price data from 500+ online stores.
- Developed All-in-one Digital Banking **SaaS** Platform and crypto on/off ramping **payment gateway**.
- Participated in developing PaaS for deploying multiple projects on cloud.
- Implemented and maintained CI/CD pipelines using cloud formation templates, github action (ECR, ECS, EKS, EC2, NLB, Route 53, VPC, etc.)
- Participated in developing **cloud providers agnostic** multiplayer SaaS platform (using all **AWS**, **GCP**, **Azure**) which will contain authorization/authentication, cost/health/game analytics.
- Implemented authentication solutions including Single Sign-On (**SSO**) and Multi-Factor Authentication (**MFA**) leveraging **Auth0** to enhance security and user management in **rust** application.
- Dived deep into **devops** space and achieved successful track records in automation of resource management and software deployment with **terraform** and **ansible**.
- Participated in developing several user-friendly **frontend** applications using **react.js**, next.js, react-query, RESTful API, graphql and etc.
- **Mentored** junior developer through meetings, code review, pair programming.

**Skills:** typescript, goLang, rust, react.js, next.js, node.js, terraform, ansible, AWS, GCP, Azure, CI/CD, Docker, K8s, web scraping, etc

## Backend developer & devops

Jun 2021 – Jan 2022 | HK · Remote

### Artisse

- Designed the **AI image generation** application running on **distributed multiple servers** which are based on **micro-service** architecture using cloud-based system architecture.
- Configured and managed cloud infrastructure automatically using **terraform**.
- Implemented the CI/CD pipeline by using **Docker**, github action, code pipeline, ECR, ECS, SM and other several **AWS** core services.
- Implemented **server-less** architecture using AWS **Lambda**.
- Designed and implemented secure and portable **data pipeline** using **Apache airflow** integrated with several services like **S3**(data lake), **SNS**, **AWS cloud watch** and so on.
- Developed and integrated several **payment** methods including Apple, Google, Ali-pay, We-chat, **Stripe** and others.
- Optimized the search engine by using DB indexing, cache (**Redis**), pagination, and others.
- Integrated with several third parties for SMS, push notification, email notification, Whats app notification and so on.
- Implemented the almost test case for backend server for **TDD**.

**Skills:** system design, Docker, Serverless, Terraform, python, fastAPI, node.js, CI/CD, AWS, Redis, Apache airflow, cloud watch, Github action

## Blockchain Force & Full-stack Web3 Developer

Feb 2019 – Dec 2020 | Poland · Remote

### Freeblock

- Developed Solidity smart contracts for our multichain Web3 gaming platform using **Hardhat** and deployed to multiple blockchains.(Ethereum, Polygon, Fantom, Solana, Avalanche, BSC).
- Implemented web3 integration on web2 application using **web3.js**, **ether.js** and other **SDKs**.
- Implemented gas optimization in smart contracts using several best practices.
- Integrated with crypto wallets on various chains using **wallet connect**.
- Work in **TDD**(Test-Driven Development) and performed testing using **Jest** and **Cypress**.
- Got familiar to **MythX** for testing, analyzing and auditing smart contracts.
- Fullstack Development using several frameworks and tools.

**Skills:** typescript, react.js, next.js, node.js, rust, solidity, serverless, mongoDB, redis, websocket, docker, graphQL, NFT, web3.js, ether.js, AWS

## Full-stack developer (javascript)

Apr 2016 – Feb 2019 | Belgium · Hybrid

### Gorilla

- Worked with international teams(UK, RO, IT, FR), fostering collaboration and development across borders.
- Used HTML5, CSS3, TypeScript, **react.js** as the front-end tools to build module pages that communicate with back-end API with RESTful API.
- Participated in all software development phases including requirements gathering, design, coding, deployment, and maintenance
- Extensively used **redux** for application state management.
- Managed code quality and testing using **ESLint** and **Jest**, achieving a code coverage of **70%** to ensure robust and reliable software performance.
- Effectively addressed slow load times attributed to **N+1** query issues in API by implementing batching techniques, resulting in a **50%** acceleration in data loading.
- Utilized **Git** and **GitHub** for version control and code collaboration.
- Worked closely with designers and stakeholders to ensure project goals were met.

**Skills:** javascript/typescript, react.js, node.js [express.js], Jest, MySQL, Git/Github, CI/CD(docker, github action), AWS

## EDUCATION

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**Bachelor of science - BC, computer software engineering**

2011 – 2015

*University of Mons*

Leading subjects: Computer networks, Cisco CCNA, Managing projects in SCRUM methodology,  
Multithreading programming.