

Victor Hazard

Senior Software engineer, Full stack developer

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ABOUT ME

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

Programming language — javascript/typescript, rust, python, golang, solidity, C++, **System design** — Microservice, Serverless, Cache, TDD, 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, actix, warp], go[echo], SQL, NoSQL, Redis, **Devops** — Git, CI/CD, Docker, Kubernetes, Terraform, Ansible, **Cloud** — AWS, GCP, Cloud agnostics, **Web3** — EVM, Solana, Hardhat, web3.js, ether.js, **Others** — Agile, Scrum, Kanban, Mentoring

PROFESSIONAL EXPERIENCE

Senior Software engineer (Fullstack & Platform)

Feb 2022 – present

Objectstyle

- Participated in whole development lifecycle for building robust and reliable software projects in various industries like **Fintech**, **E-commerce** and **CMS**.
- Developed All-in-one **Digital Banking SaaS Platform** and crypto on/off ramping **payment gateway**.
- 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.
- 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/PaaS** platform (using all AWS, GCP, Azure) which will contain authorization/authentication, cost/health/metrics analytics.
- Implemented authentication solutions including Single Sign-On (**SSO**) and Multi-Factor Authentication (**MFA**) leveraging **Okta & Auth0** to enhance security and user management.
- 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

Jan 2021 – Feb 2022

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

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

Gorilla

- 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

Bachelor of science - BC, computer software engineering

2011 – 2016

University of Mons

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