Akim BENCHIHA
Consulting Engineer (IT & Embedded Systems)
25 years old

SKILLS & CERTIFICATIONS

Languages	French: Native English: Full professional proficiency Spanish: Very Good Luxemburgish: Elementary proficiency
Certifications	Scrum Foundation Professional Certificate - CertiProf Scrum Fundamentals Certified - CertiProf Problem Solving – Hackerrank ReactJS – Hackerrank Javascript – Hackerrank Python for Data Science - IBM
Back-End	.NET / NodeJS / Laravel / RestAPI / gRPC / SOAP
Front-End	HTML / CSS (SCSS) / ReactJS / AngularJS / ES6
Database	DB2 / MongoDB / PostgreSQL
Systems	Bash / C/C++ / NGINX / Linux
Industrial	IOLink / Motors / Embedded Systems / Control Process / Electronics / PSIM / OrCAD / Microship PIC 18F / Raspberry / Proteus
Blockchain	Blockchain / Solidity / Ganache / Truffle / Metamask
Others	GMC Inspire Designer / GMC Automation / SWIFT / Adobe / Office / RTMP / HLS / Documentum / GDPR

EXPERIENCES

Banque et Caisse d'Epargne de l'Etat, Luxembourg
(Luxembourg)
February 2019

.NET Consultant

Actions

- Development of a monitoring application for Corona. Monitor Holding, Cash and Settlement reconciliations and show to end users the statistics on the rejected accounts. Read input Swift message.
- Management and development of an internal accounting management.
- Development of documents using GMC Inspire Designer and Dynamic Communication.
- Development of scripts for injecting into the client folder all the generated documents (Save documents into Documentum). Scheduler with GMC Automation.
- Development of a centralized process for signing a document and inject to the bank's application.
- Development of the signing stream with the Wacom tablet or the iPad.
- Development of a mailing application for sending documents to the client.
- Upgrade GMC architecture from R12 to R14 for the document's processing

Technical Environment

.NET(VB & C#) – DB2 – TFS – Telerik – SWIFT – GMC Inspire Designer – Scaler- GMC Automation

Bouygues Construction
(Lille - France)
June 2018 – February 2019

Embedded Systems Engineer (End of Studies Project)

Actions

- Conception and development of a connected tower crane using sensors and industry standards.
- Connection of an API to the sensors and send data to the IOLink protocol.
- Read inputs of the joysticks and control the axes of the tower crane.
- Connect cameras for the Oculus.

Technical Environment

Synchronous Motors – IO-Link – Sensors – IoT – VR (Oculus) – AI – RFID - PLC

E.I.E (La Ferté Sous Jouarre - France) June 2018 – August 2018	**QEHS Assistant Manager** Actions • Ensure the workplace is in full compliance with local Environment, Health and Safety legislation and codes. • Execute and implement the Environment, Health and Safety programs and policies. • Conduct accident / incident investigation and ensure all incidents are reported and investigated promptly whereby causes are determined with implementation of corrective actions to prevent recurrence. • Facilitate specific quality processes. • Automate processes with scripts (Google App script / VBA) • Conduct the survey of satisfaction with EIE's clients. Technical Environment ISO standard – Google App Script
Cloudzen PTE LTD (Kallang - Singapour) November 2017 – June 2018	**Software & Systems Engineer / Scrum Master Front-End** Actions • Development of a web platform of VoD and live streaming. Manage coupons, games, videos from the admin dashboard. • Development of a web application of live streaming. Manage viewers, channels, chat, followers, and accounts. • Development 2 Nginx server for the live streaming. Combine RTMP and RTSP using FFMPEG into nginx to single HLS adaptive stream. Play the live streaming in a webpage using HLS player (videojs). • Responsible of the delivery of the release for the Front-End part. • Definition of the sprint and prioritize them for the Front-End team. Technical Environment ReactJS - Redux – SCSS – NodeJS – JavaScript – Bootstrap 4 – SVN – Jasmine - Azure – Nginx – RTMP – RTSP – HLS – NetData (Servers + Dashboarding) – Shell - Scrum
Everysens (Lille - France) April 2017 – November 2017	**Front-End Engineer** Actions • Development of a real-time web application for mobile assets. Extract data from sensors and display them with reliable and relevant charts or tabs. • Geolocate and facilitate the management of the trailers. • Development of specific features for the clients: Management of schedules for drivers, Management of convoys, Monitor the delivery routing. • Show data to optimize the performance of the entire chain. • Development of demo applications for the business team. • Development of the first release for the first client of Everysens • Implementation of the fuzzy search in the whole application. Technical Environment • AngularJS - NodeJS – SCSS – JavaScript – Bootstrap – Git – CI/CD - Kibana - ElasticSearch

DIPLOMAS & TRAININGS

Ecole Centrale Lille 2014-2019	**Master of Engineering: Computing Sciences and Industrial Engineering** Specialty: Web Development, Software Engineering, Mobile Development, Business, Project Management, Business Intelligence, Communication, Industrial Engineering, Automation, Electrical engineering, Automatic control, Hardware programming, Sensor
Ozanam Highschool 2010-2013	**Highschool diploma in science** Specialty: Computing Sciences, Mathematics, Physics, Chemistry, Science

VOLUNTEER / CONTRIBUTIONS

Ethereum	Develop smart contracts using Truffle/Solidity and deploy on Ganache Contributor of the documentation in the Developer Section. Testing of Solidity's breaking changes
Junior-Company	Junior Company Mind-up Organisation of recruitments for 20 applicants. Motivated a team of 30 people: staffing on an everyday basis, weekly general meeting

Charged to pay students and managed social declaration or fiscal (URSSAF, DADS1, DAS2, TVA, IS...)
Prospected to find new clients for Mind-up
Company Strategy / Project Management

READING

GDPR : https://eur-lex.europa.eu/eli/reg/2016/679
Ethereum Yellow Paper : https://ethereum.github.io/yellowpaper/paper.pdf
Ethereum White Paper : https://ethereum.org/en/whitepaper/

HOBBIES

Reading: French literature, Fantasy, Specific domains (economic, sciences), Manga
Sport: Football, Running, Ice skating, ski
Entertainment: Cinema, Music
Personal: Programming (Leetcode / Hackerrank), Crypto-Currency (Blockchain. Learning since 2015), Japanese language