Delphin Rukundo

Full Stack JS developer

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LANGUAGES

English
fluent

French
fluent

EDUCATION

Master's degree in Computer Science
INSA Hauts de France
September 2019 - August 2021 (2 years) *Valenciennes*

Bachelor's degree in Computer Science
Université Polytechnique Hauts de France
September 2016 - August 2019 (3 years) *Valenciennes*

WORK EXPERIENCE

Full Stack Developer
Norauto via Daveo
May 2024 - present (6 months) *Lille*

Context
Development of a new solution for Norauto Europe, focusing on streamlining customer interactions across multiple stages of a service process, from product catalog selection to the return of keys after service completion. The project delivers a comprehensive solution for customer-facing operations in automotive service centers, covering key areas such as product/service catalogs, key drop-off systems, quote generation, and service orders. The platform focuses on efficiency by integrating sales assistants, product scans, filters, and opt-in features. It also enables seamless conversion of quotes into orders and supports B2C and B2B operations, ensuring a smooth customer journey with 360° client/vehicle vision and multi-site management capabilities.

Actions
- Collaborated with Norauto and Auto5 teams to enhance the shopping cart functionality.
- Implemented a feature allowing Norauto employees to enter a delivery date for each item in SAP purchase orders. This streamlined the order finalization process by making availability dates directly exploitable for shipment and order management.
- Enhanced cart functionality: Implemented the ability to add and modify global indications for both the cart and individual items, such as client details, vehicle information, and item-specific data, improving communication between sales and workshop teams and ensuring more accurate order processing.
- Redesigned and refactored the product listing to improve product visibility and align with new design mockups.
- Developed a feature allowing users to add, modify, or remove complementary services associated with products in the cart, enhancing flexibility in managing additional services directly from the cart interface.
- Upgraded legacy Vue 2 components to Vue 3 and added unit tests to ensure stability and improve code coverage.

Technical environment
- Vue 3, Pinia, GraphQL, TypeScript, Vitest, Jest

Full Stack Developer
Claranet
February 2023 - May 2024 (1 year, 4 months) *Lille*

Context
Design, develop and maintain the company's internal applications and products. Work closely with Product Owners to understand clients needs and requirements, ensuring design and implementation while guaranteeing a high level of quality.

Actions
- Designed and developed a new micro-service for managing and sharing secrets.
- Designed and developed an internal communication tool: management of email diffusion lists, WYSIWYG editor with AI for drafting and validation, and multi-platform integration (Slack, Teams)
- Maintained an internal platform to manage the company's portfolios, project and client monitoring, ticket management, and collaborators.
- Integrated the OpenAI API into internal products and those of clients to improve performance, reduce cognitive load on users, and automate interactions, including chat exchanges and request generation from prompts, thereby saving time.

Technical environment
- Vue 3, Nuxt, Typescript, MongoDB, PostgreSQL, MySQL, Drizzle ORM, gRPC

Full Stack Developer
Electro Dépôt via Pictime
March 2021 - February 2023 (2 years) *Lille*

Context
Development, maintenance, and hosting of the e-commerce site for Electro Dépôt (France, Belgium, and Spain).
This is a project for Électro Dépôt, an e-commerce website operating in France, Belgium and Spain. The aim of the project is to provide an efficient solution for the development of new functionalities, maintenance and hosting of the site in order to offer an optimal experience to customers. The project is built with Magento/PHP for the backend and Vue.js for the frontend.
The Build, RUN and Testing teams manage the project to ensure optimal operation and continuous upgrades.

Actions
- Integrated new payment methods (PayPal, Google Pay, Gift Card...)
- Added a feature to display the product's estimated delivery time
- Added a feature that enables users to select and compare products from the category page
- Maintained the website for bugs fixes and performance improvements
- Worked with members of the Build, RUN and Testing teams to ensure efficient development and comprehensive testing

Technical environment
- Vue.js, Magento, MySQL, NodeJS, ElasticSearch

Artificial intelligence engineer apprentice
UNIVERTPROPRE
September 2019 - September 2020 (1 year, 1 month) *Valenciennes*

Context
Autonomous waste sorting machine and Mobile App
Training of a model using a multimodal learning approach capable of taking as input image data as well as 60GHz radar and sensor data (capacitive and inductive) enabling the development of advanced detection systems capable of understanding and analyzing complex scenarios beyond the capabilities of single-modality models.
Development of an interactive waste sorting kiosk with features such as autonomous sorting of bulk packaging, separation of recyclable and non-recyclable waste, simultaneous use by two people, collection of batteries, caps, and corks, separation of packaging and food waste.
Development of a mobile application with Kotlin, enabling users to connect to the machine via an integrated QR scanner and receive discount vouchers, as well as enabling them to track their environmental impact.

Actions
- Designed and trained a multimodal learning model to simultaneously analyze image data, 60GHz radar signals, and capacitive and inductive sensor readouts.
- Designed and developed an interactive kiosk for smart waste sorting machine, integrated features for autonomous separation of packaging and waste, and selective sorting.
- Developed a mobile application in Kotlin allowing users to connect to the machine via a QR code scanner, receive discount vouchers and track their environmental impact.

Technical environment
- Pytorch, TensorFlow, C, Vue.js, Vuetify, Electron.js, Express.js, Firebase, Kotlin

Artificial intelligence intern
UNIVERTPROPRE
April - August 2019 (5 months) *Valenciennes*

Context
Autonomous waste sorting machine
Training of a model capable of categorizing the majority of recyclable household packaging

Actions
- Collected and categorized various datasets and captured images of household packaging such as paper, cardboard, glass bottles, plastic bottles, aluminum and steel cans, ... to create a comprehensive training set.
- Data preprocessing, augmentation and labeling
- Benchmarked different deep learning models, in particular Yolo V3 and VGGNet, in order to select the most appropriate architecture in terms of accuracy, speed and resource efficiency.
- Configured a high-performance training environment using GCP Compute Engine with 8 NVIDIA Tesla V100 GPUs.
- Set up a local environment for efficient inference of the pre-trained model.

Technical environment
Yolo V3, Weka , C, Python, PyTorch, TensorFlow

SKILLS

Vue.js Nuxt.js Vuetify React.js React Native Kotlin TypeScript Python Tailwind CSS Figma
Vitest Jest Puppeteer MySQL PostgreSQL MongoDB Firebase ElasticSearch GraphQL
RabbitMq AWS GCP