

**HOBIANA T. RAZAKANAIVO**

**Senior Software Engineer**

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## **PROFESSIONAL PROFILE**

Passionate full-stack developer with 8 years of experience, specialized in building high-performance, intuitive, and easily maintainable web applications. Strong expertise in React, TypeScript, and modern CSS for designing responsive user interfaces, combined with solid backend API development skills using NestJS (Node.js) and Django. Capable of contributing across the entire stack—from frontend architecture to implementing scalable and robust backend systems. Committed to performance optimization, clean code, and effective cross-team collaboration.

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## **TECHNICAL SKILLS**

### **Languages & Frameworks:**

- JavaScript, TypeScript, Python, Java
- React.js, Next.js
- NestJS (Node Js), Django
- HTML5, CSS3, jQuery

### **Databases:**

- PostgreSQL, MongoDB, Oracle, MySQL, SQL Server

### **Tools and Technologies:**

- Git, VS Code, Webpack, Vite.js
- Redux, Redux Saga, Redux Toolkit
- Jest, Vitest, React Testing Library, Pytest, Behave
- Azure DevOps
- REST APIs, GraphQL, TypeORM, Hibernate
- Storybook, Highcharts, Contentful, Strapi, Jasper Report
- Tomcat, Maven, Express

**Languages:**

- French: Advanced
  - English: B2 (Upper-intermediate)
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**PROFESSIONAL EXPERIENCE****FULLSTACK DEVELOPER | Novity**

May 2021 – Present

**Data Analysis Applications (PCX & Clarity)****Clarity – Opportunity discovery platform for target groups:**

An application that identifies the most relevant combinations of variables to uncover specific opportunities for different target groups.

**Achievements:**

- Migrated React 18 to React 19
- Developed dynamic forms and fields
- Built a reusable component library with more than 20 components (Storybook, Vite)
- Implemented a scalable application architecture

**PCX & Composer – Influence factor analysis and measurement platform:**

Application that collect customer interaction data to provide valuable insights through interactive dashboards, helping businesses better understand customer needs and improve overall experience.

**Achievements:**

- Increased test coverage from 70% to 85%
- Migrated React 16 to React 19
- Built an interactive WordPress-style drag-&-drop UI for dynamic data selection
- Migrated Create React App to Vite.js
- Migrated Jest to Vitest
- Created custom charts with Highcharts
- Contributed to technical architecture decisions

**Common Responsibilities:**

- Diagnosed and resolved logic issues in existing features
- Implemented REST API endpoints

- Frontend leadership and project architecture setup
- Feature development and debugging
- Code review and optimization
- UI integration and unit tests

**Technologies:** TypeScript, React.js, Vite.js, Redux, Redux Saga, Redux Toolkit, Vitest, React Testing Library, Python, Django, Pytest, Behave, PostgreSQL, Azure

### **Logistics Management Application**

Application offering features for managing orders, suppliers, inventory, and customers, streamlining business operations and improving productivity.

#### **Responsibilities:**

- Architecture and initial project structure setup
- Feature development and debugging
- Database design
- UI optimization and integration
- Unit tests and API development

**Technologies:** React.js, Node.js, MongoDB, Jest, React Testing Library, Strapi

### **Content Posting**

Development of a complete API with secure authentication and content management.

#### **Implemented Features:**

- User management (create, edit, retrieve)
- Secure JWT authentication (login, route protection)
- Post creation and management
- Post tag management
- File upload
- Email sending (sign-up confirmation, notifications)
- Automatic API documentation

**Technologies:** NestJS, TypeORM, PostgreSQL, JWT, Azure

## **FRONTEND DEVELOPER | Proximity BBDO Mauritius**

**September 2019 – April 2021**

### **Pampers Project**

Contribution to the website redesign with pixel-perfect Figma integration.

#### **Responsibilities:**

- Feature development and debugging
- Performance optimization
- SEO and UI integration

**Technologies:** React.js, Next.js, GraphQL, TypeScript, Contentful, Jest, React Testing Library

### **Mondelez Project**

Development of a small interactive web application.

#### **Responsibilities:**

- Architecture and initial project setup
- Optimization and SEO
- UI integration, development, and debugging

**Technologies:** React.js, Node.js, Webpack, Azure

### **Mars Projects**

Development of e-commerce websites including Crave, Nutropetfoods, Perfect Fit, and Greenies.

#### **Responsibilities:**

- Architecture and project setup
- Optimization and SEO
- UI integration, development, and debugging
- Led a junior frontend developer

**Technologies :** React.js, Node.js, jQuery, Vue.js, Azure

## **FULLSTACK DEVELOPER | BICI**

**December 2017 – August 2019**

### **Gallois Project**

Integrated information system for payroll, stock, HR, and activity management.

#### **Achievements:**

- Advanced SQL optimization
- Automated payslip generation based on multi-site time tracking
- Automated payslip archiving
- Dynamic formula system for payroll calculations (modifiable according to laws)

#### **Responsibilities:**

- Lead junior developers
- Architecture and initial project structure
- SQL optimization and queries
- Feature development and debugging

**Technologies:** Java, Spring MVC, Hibernate, Jasper Report, Oracle

### **CNAPS Project**

Information system for the National Social Security Fund of Madagascar, including pensions, family benefits, and work accident management.

#### **Responsibilities:**

- Database design
- SQL optimization and queries
- Feature development and debugging
- UI integration

**Technologies:** Angular, Node.js, Express, Java, Spring Boot, Hibernate, PostgreSQL

### **Mauritius Guide Project**

Back-office application managing a mobile tourist app allowing visitors to explore Mauritius.

#### **Responsibilities:**

- Architecture and initial setup
- Database design

- Feature development and debugging
- UI integration

**Technologies:** ASP.NET (MVC 5), SQL Server, HTML, CSS

### **Amadia Project**

Application enabling doctors to efficiently manage patients during medical consultations.

#### **Responsibilities:**

- Support to the development team, focusing on database and frontend functionalities

**Technologies:** Java/JEE, Spring MVC, Maven, Hibernate, Oracle

### **FULLSTACK DEVELOPER | Freelance**

**September 2017 – February 2018**

### **Primace Project**

Application allowing users to manage orders, inventory, and equipment rental availability through an intuitive calendar.

#### **Achievements:**

- Developed stock management and equipment reservation modules

#### **Responsibilities:**

- Database design
- Backend and frontend architecture setup
- UI integration
- Feature development and debugging

**Technologies:** Java, Spring, Hibernate, Struts, Tomcat, jQuery, PostgreSQL

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## **EDUCATION**

### **2019 – Master's Degree (M2) – System Integration and Applied Statistics**

MBDS – University of Nice Sophia Antipolis

### **2017 – Bachelor's degree in computer science**

IT University

### **2014 – High School Diploma**

Les Marmailles

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## **INTERESTS**

Football, Basketball, Swimming, Video Games, Hiking