

ALEXANDRE DOUILLARD

• Full-stack Developer •

ABOUT ME

Full-stack developer with 4 years of experience in web application design, development, and optimization. Skilled in creating scalable, high-performance architectures, I excel in both front-end and back-end development. Adaptable and quick to learn new technologies, I thrive in fast-paced environments and have a passion for solving complex problems. Focused on building tailored, user-centric applications from initial concept to production deployment.

CONTACT



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douillard.dev

TECHNICAL SKILLS

• Web development



HTML



Javascript



CSS

• Front-end



React



Redux



Webpack

• DevOps



GitHub



Docker



Digital
Ocean



Gitlab

• Programming languages



Typescript



PostgreSQL

• Back-end



Node



Express



Socket.io



Sequelize

HARD SKILLS

- Experience with RESTful API development
 - Mastery and overview of a microservice architecture
 - Understanding of IT security concepts and best practices in secure development
 - Ability to optimize application performance and solve problems efficiently
 - Experience in UI/UX design
 - Project management skills, task planning, estimating deadlines
 - Knowledge of software development methodologies such as Scrum or Agile
 - Knowledge of Linux and Windows operating systems, networks and services
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EXPERIENCE

FEB 2021 - Full-stack Developer - IDTREE - Nantes, France

NOV 2024 React.js (typescript) | Redux | Node.js | Express | Flask (python) | PostgreSQL | Firebase | DigitalOcean

- Development and integration of functionalities in a SaaS based on quality of working life (QWL).
- Overhaul and redesign of the Web interface to make it more user-friendly.
- Implementation of KPIs using usage data from reporting.
- Conception of dynamic widgets to enrich a results dashboard.
- Optimization of React applications, reducing loading time by 40%
- Automated import of .docx and .xlsx questionnaires and JSON formatting, saving the CS 3h/week.
- Deployment of LLM-based services (comment synthesis, question trend prediction, action plan generation).
- Implementing a Socket.io microservice to allow the use of chatGPT API.
- Setting up a JWT authentication system with super admin rights for API REST (Express.js).
- Add SSO functionality by using OpenId with Auth0.
- Creation of sql scripts using Sequelize to duplicate a survey and migrate data from one account to another.

EDUCATION

- OCT 2021 - SEP 2023** **Master's degree | Information systems architecture and software applications manager**
- CESI, Angoulême, France
- OCT 2020 - SEP 2021** **Bachelor's degree | Software Engineering Manager**
- CESI, Angoulême, France
- OCT 2018 - SEP 2020** **Study diploma | IT Maintenance and Support Manager**
- CESI, Angoulême, France
- MAY 2018 - MAR 2018** **TOEIC | English training**
- CAREL, Royan, France
- SEP 2013 - MAY 2017** **Bachelor's degree | IT**
- Science university, La Rochelle, France

SOFT SKILLS

- Ability to adapt and communicate effectively in an Agile team.
- Curiosity about new things
- Logical thinking and inventiveness to solve complex problems

SPOKEN LANGUAGES

- French - Native language
- Polish - Native language
- English - Common practice (TOEIC 840)

PROJECTS

APR 2025 - DevOps initiation

Present **React.js | Node.js | GCP | Docker | Kubernetes | Gitlab CI**

- Gitlab CI/CD pipelines
- Hosting on Google Cloud Platform
- Kubernetes cluster management with GKE
- Pod maintenance with Helm
- Monitoring formation with Prometheus and Grafana
- IaC learning with Terraform

SEP 2023 - Collectible platform app

Present **React.js | Spring (JAVA) | AWS | Docker**

- Application for creating and sharing content in the form of collectible and tradeable cards
- Card editor with advanced personalization
- Upload tools for massive files with AWS S3
- Probability simulation algorithm

2022 & 2024 Investment annuity simulator

React.js | Plotly | Chart.js | Redux-toolkit | Webpack | Postman

- Real estate prices comparator
- Calculating the m2 rental/purchase price ratio
- Generate installment schedules
- Estimating added value according to different parameters and scenarios
- Graphs to track capital evolution over time

REFERENCES

References available on request