Rachel TSE

CONTACT

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French, HKSAR, UK passport holder

DEVELOPER / DEVOPS

With 8 years of experience in the connected medical products sector, I have developed strong skills in R&D and product development. As an AWS Solution Architect Associate certified professional, I am seeking new opportunities in the DevOps field.

linkedin.com/in/rachelpytse

SKILLS

Product specification development
UX - Design, product testing
R&D - Research, analysis, prototyping, and sourcing

Quick learner, cooperation, open-minded

Réf: Pierre-Yves FROUIN
pierre.frouin@bioserenity.com

EDUCATION

DevOps & Cloud bootcamp *La Capsule*	Mar-May 2024
Web development bootcamp *Ironhack Paris (part time)*	Feb-Aug 2023
Master in Fashion and Textile product development *Ecole Supérieure des Industries du Vêtement*	2013-2015

TECH STACK

DevOps
Script: Linux Bash, Python
Test: Cypress, Locust, Jest, SonarQube
Containerisation: Docker, Kubernetes
IaC: Terraform, Ansible
Monitoring: Prometheus, Grafana
Cloud: AWS, Google Cloud, Azure

Web dev
Language: HTML, CSS, Javascript, Typescript
Framework: Node.js, Express, React, Next.js
Database: MongoDB, MySQL, PostgreSQL

Collaboratif tools - JIRA, Arena (Asana), Azure DevOps

Version control & CI/CD: Git, Github, Gitlab

Design2D - Photoshop, Illustrator, Figma

Design3D - CLO 3D, Rhinoceros

LANGUE

French (fluent)

English (fluent)

Chinese (Cantonese & Mandarin)

RECOMPENSE

Alexandre Yersin Scholarship Consulat Général de Hong Kong et Macao	2013

PROFESSIONNELLE EXPERIENCE

HACKATHON PARTICIPANT   25-26 Apr 2024
Digh@ction 2024 & Fondation ARCAD

Mission : Design an application for calculating prognostic scores that will help doctors to estimate survival before each line of chemotherapy according to the research by the ARCAD foundation.

Understand the doctors' needs, identify key features, and design the prototype.

Implement calculation algorithms based on the research, develop the application in React and deploy it as a Progressive Web App (PWA).

PRODUCT DEVELOPER   Jun 2015-Dec 2023
Bioserenity Paris - smart medical products

Mission : Design and develop smart medical products (conductive patch and textile) for various pathologies in fields ex. neurology.

Collect and analyze anthropometric data for product development.

Conduct UX interviews and observations in hospitals and clinics.

Create technical documents: specifications, technical files, test procedures, manufacturing procedures.

Conduct and share R&D research and competitive analysis.

Perform tests and standardization to evaluate product functionality.

Technical drawing of the electrode patch with conductive pathways.

Create 2D and 3D illustrations of the product.

Source fabric, packaging, and accessories.

Assemble prototypes: pattern making, laser cutting, sewing.

PRODUCTION ASSISTANT   Jun 2014-Jan 2015
NIR Paris - ready-to-wear

Coordinate production with foreign suppliers

Maintain relationships and follow-up with clients

Prepare technical files and technical drawings

Design products and collection presentation materials

MATERIAL DEVELOPER   May 2011-Jul 2022
Marlies Dekkers - lingerie

Develop new materials based on designs from Dutch stylists

Organize quality tests and managing deadlines

Negotiate prices and order quantities

Evaluate the appearance and colors of materials
Source new suppliers