Stéphane NGUYEN

Software Engineer

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SKILLS

Programming
Javascript, Python

Technologies
SAPUI5, Node.js, MongoDB, MySQL, JUnit5, Jest, QUnit, Docker, JMeter

Tools
Git/GitHub, Unix, Jenkins, Insomnia, SonarQube, Maven, Jira

PROFESSIONAL EXPERIENCE

Software Engineer Apprentice   03/2022 – 09/2024
SAP 🔗   Levallois-Perret,
                                                                  France
- Designed, implemented and deployed internal web applications to production using **SAPUI5**, **Node.js/Express, MongoDB, REST APIs**, **private cloud VMs**:
  - centralized management platform : streamlining **1500+ third-parties** by processing data from **XML** and **JSON** files, reducing manual processes.
  - cross-platform testing insights : displaying **40+ daily product test results** across operating systems and product branches, enhancing user convenience.
- Spearheaded a better engineering effort to modernize the tools' codebase by setting coding standards like **SonarQube** to follow best practices.
- Developed **unit tests** in **Jest** and **QUnit** leading to a code coverage **increase of 40%**.
- Created comprehensive documentation covering setup and configuration instructions as well as user guides.

Software Engineer Intern   06/2023 – 09/2023
SAP Labs LLC 🔗   Palo Alto, CA, USA
- Automated daily test analysis by creating **Python** scripts, extracting data from **Jenkins** and testsuites **XML** output for statistical processing. Integrated them into the **hotfix pipeline**, enabling daily emails generation with **100+ test outcomes, errors, and code coverage**, all archived for reference.
- Created **unit and integration tests** in Python to enhance code robustness by **98%**.
- Leveraged **JMeter** to create test scenarios for evaluating API performance in **critical interactive use cases**. Developed a **Jenkins pipeline** for automated test result reporting and to catch build issues.

Applied Mathematics Engineer Apprentice   09/2021 – 11/2021
Thales SIX GTS France 🔗   Genevilliers, France
- Provided a bibliographic study on a scheduling problem using scientific papers.

EDUCATION

Master's degree - Computer Science   09/2019 – 09/2024
CY Tech 🔗   Cergy, France

VOLUNTEERING

Tutor   11/2021 – 06/2022
ZUPdeCO   Remote
Assisted 2 children from modest family by offering tailored study guidance and support, resulting in a remarkable **25% improvement** in their academic performance.

Patient Support Assistant   06/2021 – 07/2021
COVID-19 vaccination center   Nogent-sur-Marne,
                                                                  France
Assisted the nurses by helping **~100 people** daily to fulfill paperwork, maintaining cleanliness by sanitizing tables after each visitor, and optimizing patient flow.