HADRIEN BILLAUD

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Objective

Detail-oriented individual looking for an entry-level position as a Software Engineer focusing on backend development where I can contribute my analytical and problem-solving skills to design, test, and maintain software.

Education

Purdue University, West Lafayette, IN   Present - May 2022

B.S. in Computer Science | Minor in Management | Certificate in Entrepreneurship and Innovation

Relevant courses: Algorithms & Data Structures, C Programming, Software Engineering, Systems Programming, Operating Systems, Information Systems, Software Testing, Cloud Computing

Professional Experience

Mavenir Systems, Inc.   May 2021 – August 2021

Software Engineer Intern (backend)
- Participated in code reviews, daily meetings, testing, and version control following **Scrum** framework.
- Conducted **Unit Testing** as well as **Acceptance Testing** using **Mockito.**
- Enhanced testing by reaching ~90% code coverage with **JUnit**.
- Built **RESTful APIs** and tested endpoints using **Postman**.
- Implemented backend services on MBMP product in **Java** with **Spring Boot**.
- Developed password management services using SHA3/salt combination as encryption mechanism.

Goverlan, Inc., Miami, FL   June 2020 – August 2020

Software Engineer Intern
- Analyzed **Win32 APIs**, WinRM specifically and the SOAP-based protocol WSMan.
- Demonstrated the capabilities of **WinRM** via a C++ program for potential integration in Goverlan Reach.
- Packaged Goverlan Reach software using **MSIX Packaging Tool**.
- Created test cases in **Azure DevOps** for latest version release of Goverlan Reach.

Technical Projects

Information Systems (CS448), Purdue University   Fall 2021
- Full stack learning management web application.
- Build interactive user interface with **React.js.**
- Developed backend with **Node.js** which interacted with our **MongoDB Cloud** DBMS.
- Led all aspects of backend (APIs, indexes in DBMS, queries).

Software Engineering (CS307), Purdue University   Fall 2020
- Full stack reddit-clone web application deployed on **Heroku**.
- Developed backend with **Node.js** and interactive frontend with **EJS**.
- Maintained and deployed database on **MongoDB Cloud**.
- Participated in version control using **Git** and followed the **Scrum** framework.

Relevant Skills

- **Programming Languages**: Java (proficient), Javascript (proficient), C/C++ (competent), SQL (competent)
- **Technologies/Other**: Sprint Boot, MongoDB Cloud, Scrum, Jira, Git, Linux/Unix, NoSQL, Database Design
- Languages- **French:** Native, **English:** Bilingual

Activities

- Member of Theta Chi Fraternity (Fall '18 - present)
- Member of ACM SIGApp (Fall '19 - Fall '20)
  - Developed mobile applications for both Android and iOS with **Flutter**.
  - Wrote maintainable and extensible code in **Dart** in a team and collaborative environment.