Loïc Pelleau

Software Engineer - loic.pelleau.net

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Work Experience

08.2017-Present **Software Development Engineer I**, *Amazon*, Gdańsk, Poland.
Working on French voices (Alexa and Polly) to an internal website for voices evaluation and a cross organization project (Alexa personality - Samuel L. Jackson).
- Improved team debugging tool to take from 3 minutes to 30 seconds while fetching logs - Python
- Improved team processes for story estimation and code reviews
- Accelerated UI tests in the automated pipeline from 30 minutes to 3 minutes and reduced technical debt - Docker, Bash
- Migrated in 1 week deadline the code review process to unblock all voices development (50 people) - Bash
- Allowed automatic voice evaluation by delivering API access to the testing infrastructure - Java, Spring
- Reduced reporting time of management by 65% by delivering a data dump like Firehose - Java, Spring, AWS
- Improved from 54% to 96% the word pronunciation model for French - Python
- Increased the domain coverage of French Text-To-Speech text normalization Ivona project - C language

02.2017-08.2017 **Software Development Engineer Intern**, *Amazon*, Gdańsk, Poland.
Delivered a continuous integration solution in Java after a migration a new infrastructure. Around 20 dry-run on published code reviews per day for 2 years. Reduced the risk to push breaking changes to production with a 1 week delay for fixes.

2015 **Software Developer Intern**, *Keosys*, Nantes, France.
Updated security mechanisms by integrating Spring Security to the existing website. Spring Security allowed the integration with a CAS server which permitted the users to login to different accounts with one credentials.

2014 **Android Developer Intern**, *Laïta*, Ploudaniel, France.
Digitized milk collect reporting, inventory and electric meter measurements by delivering Android applications in Java that would report the results to an IBM server via FTP. Reduced reporting time by half.

Education

2014–2017 **Master Degree - Computer Science**, *INSA Rennes*, Rennes (France).
Specializing in Languages, Systems and Networks.

Skills

Technologies **Java**, **Spring**, **React**, **AWS**, C, Python, Bash, SQL
Engineering Design, Architecture, CI, TDD, OOP, Functional
Communication English: proficient, French: native

Personal Projects

Alexa Uno Uno on Alexa Skill to be played on Echo Show. Java
RanGit GitHub explorer over the GitHub API V3. Rust
Telegraphy A simple Git file editor over the web. Ruby
load-balancing PoC of load balancing on NGINX. NodeJS

Voluntary Activity

French Speakers in Tricity 2019 Over 31 weekly meetings organized gathering 15 to 20 people. Facebook page

Ouest INSA 2015 Junior-Enterprise. Project Manager, Developer and IT Support. ouest-insa.fr

InsaLan 2015 Systems developer. Timelapse and real time streaming. insalan.fr