

Alexis Jeandeau

Résumé

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Professional Experience

From September 2021 **Software Engineer, Rakuten Group, Inc., Tokyo**

March 2021 – **Software Engineer, Nonpi, Tokyo**

- August 2021
- Maintenance and development of new features for an “online nomikai” food delivery service
 - Responsibilities:
 - Full-stack development
 - Technologies used: *Go, React, MySQL*

September 2019 – **Web Engineer, Tier IV, Tokyo**

- February 2021
- Developed the data platform of an autonomous vehicle fleet management system
 - Responsibilities:
 - Worked on the messaging between a cloud management system and the vehicles
 - Worked on a fleet management and OTA update system for autonomous vehicles
 - Technologies used: *AWS IoT, MQTT, Python, C++*

April 2016 – **Software Engineer, Z-Works, Tokyo**

- August 2019
- Developed the backend of an IoT system for the elder care market.
 - Responsibilities:
 - Development a microservice infrastructure in *Erlang* and *Java* to manage IoT devices and end users
 - Creation of a communication API using *AMQP* and *RabbitMQ*
 - CI/CD using Bitbucket Pipelines, Terraform, AWS CodeDeploy and various Amazon services
 - Technologies used: *AMQP, Z-Wave, PostgreSQL, Erlang, Java*
 - Developed an API used to upload and store raw sensor device data.
 - Responsibilities:
 - Creation of an HTTP API using Amazon services
 - Amazon Athena setup for data analysis
 - Technologies used: *Go, Amazon API Gateway, AWS Lambda, Amazon Athena*
 - Developed an administration interface aimed at support engineers.
 - Responsibilities:
 - Creation of a REST API using Amazon services
 - Technologies used: *Java, Amazon API Gateway, AWS Lambda*

May 2012 – **Software Engineer, Takahashi Giken, Tokyo**

- April 2016
- Created a back-end service to allow real-time photo viewing and management during events (sports, wedding, etc.).
 - Responsibilities:
 - Overall design of the back-end application and REST API
 - Front-end internationalization (Japanese / English)
 - Technologies used: *Go, JavaScript, WebSocket, PostgreSQL*
 - Worked on the configuration interface for a *WiMAX* gateway system.
 - Responsibilities:
 - Development of monitoring daemons in *Go*
 - Development of a *Net-SNMP Perl* module
 - Technologies used: *Go, Perl, Bash, PostgreSQL*
 - Developed a *LTE-A* (4G) network tester, along with several modules for specific network protocols.
 - Responsibilities:
 - Development of network protocol modules used for network testing (*HTTP, FTP, ICMP, SIP, RTP*)
 - Technologies used: *C++, Boost*
 - Created an automated system for attendance management using NFC tags.
 - Responsibilities:
 - Overall design of the project
 - Development of an NFC tag scanner to be used with Suica and other FeliCa compatible devices
 - Development of a web interface allowing timetable viewing and administration
 - Front-end internationalization (Japanese / English)
 - *Python, JavaScript, PostgreSQL, NFC*
 - Developed a traffic analysis tool and configuration interface for 10G networks.
 - Responsibilities:
 - Development of several *Bash* script to manage Linux configuration files
 - Creation of a communication API using *PHP* and *JavaScript*
 - Communication with software engineer from partner company
 - Technologies used: *PHP, Bash, JavaScript, MySQL, jQuery*
 - Technical environment (general):
 - *CentOS, Ubuntu, Raspbian, Git, Mercurial, Jenkins, Redmine*

2010 (April – June) **Internship, CEA Valduc**

Automated the testing process of an internal web application using *Selenium*.

- Technologies: *RHEL, PHP, JavaScript, Selenium*

Education

- 2011 – 2012 **Yoshida Institute of Japanese Language**, *Shinjuku*, Tokyo
Japanese language course.
- 2008 – 2010 **DUT Informatique**, *Burgundy University*, Dijon
2 years technical degree in computer science and software engineering.
- 2005 – 2008 **Baccalauréat STG**, *Lycée Le Castel*, Dijon
French high-school diploma.

Languages

French	Native	
English	Business	TOEIC 990 (2021)
Japanese	Business	JLPT N1 (2022)

Computer skills

Programming Languages

Server Side	<i>Go, Erlang, Python, Ruby, Node.js</i>
General	<i>C, C++, Java</i>

Technologies

Operating Systems	<i>RHEL, CentOS, Debian</i>
Database	<i>Amazon RDS, PostgreSQL, MySQL</i>
Messaging Protocols	<i>MQTT, AMQP, XMPP</i>
Project Management	<i>GitHub, Jira, Redmine</i>
CI/CD	<i>GitHub Actions, Bitbucket Pipelines, AWS CodeDeploy, Jenkins</i>
Version Control	<i>Git, Mercurial, Subversion</i>

Interests

Computer Science	Reading about and learning new technologies.
General	Watching movies, cycling, bass guitar, etc.

Miscellaneous

French and Japanese driving licence