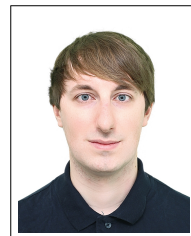# Alexis Jeandeau

*Résumé*

*Heights Nihonbashi Nakasu 307*
*6–10 Nihonbashi Nakasu, Chūō-ku*
*103–0008 Tokyo*
*Japan*
📱 *+81–90–6791–5920*
✉ *alexis.jeandeau@gmail.com*
 jeandeaual
**in** *alexis-jeandeau*

## Professional Experience

**From September 2021**

**Software Engineer**, *Rakuten Group, Inc.*, Tokyo

**March 2021 – August 2021**

**Software Engineer**, *Nonpi*, Tokyo
- Maintenance and development of new features for an "online nomikai" food delivery service
  - Responsibilities:
    · Full-stack development
  - Technologies used: *Go*, *React*, *MySQL*

**September 2019 – February 2021**

**Web Engineer**, *Tier IV*, Tokyo
- 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 – August 2019**

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

**Software Engineer**, *Takahashi Giken*, Tokyo

○ 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*

○ 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*

## Education

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

## Languages

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

## Computer skills

### Programming Languages

| | |
|---|---|
| Server Side | *Go*, *Erlang*, *Python*, *Ruby*, *Node.js* |
| General | *C*, *C++*, *Java* |

### Technologies

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

## Interests

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

## Miscellaneous

French and Japanese driving licence