

Kazuya Hatta

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Full Stack Developer

Full Software Lifecycle • Team Lead • Python/TensorFlow ML Systems • React Dev • Sales Experience

Creative web/machine-learning engineer. Lead machine learning projects for nation's top-share enterprise systems. Strength in team lead, software architect, and presales.

Technical Skill Set

Languages	Frameworks/Libraries	Operating Systems	Other Technologies
- Python	- TensorFlow, Keras	- Ubuntu	- HTML5
- JavaScript/Node.js	- NumPy, Pandas	- RHEL	- CSS3
- C#	- React	- CentOS	- Docker
- SQL	- Express	- macOS	- PostgreSQL
- Bash	- Prism	- Windows	- Jupyter

Professional Experience

Avinton Japan K.K.
Full Stack Developer / Presales

2017.11 – Present

I was responsible for developing machine learning applications used in a new pharmacy system developed by nation's #1 share pharmacy systems provider.

- **Lead presales, software architect, and development** for machine learning applications integrated into the new pharmacy system developed by the pharmacy systems provider with systems used by **more than 30% of the pharmacies in Japan**.
- Won the presales among 3 competing vendors by developing POC and delivering oral presentations.
- Built several deep learning models using **TensorFlow and Keras**, among them scored approximately **0.98 test F-score** for **16,000+ targets** multilabel classification task.
- Developed several web apps for data collection and model testing/demonstration purposes using **React, Node.js, Python, Redis, and PostgreSQL**.
- Built machine learning model training and inference services using **TensorFlow Serving (TFX), Python, and Docker**.
- Integrated machine learning applications into the client's mainframe systems, and also developed several additional features on the client's codebase in **C#**.
- Thoroughly tested and documented the system.
- Answered questions from the client.
- **Technologies/tools:** Python, TensorFlow, TFX, NumPy, Pandas, Dask, Jupyter, Matplotlib, Starlette (Flask-like async python web framework), Pytest, mypy, HTML/CSS/JavaScript, React, D3.js, Material UI, Node.js, Express, Passport.js, Nginx, C#, Prism, PostgreSQL, Redis, Ubuntu, CentOS, RHEL, Docker, Docker Compose, VSCode, Visual Studio, Git, Gitlab, subversion
- **Team Size:** 3

Foodison Inc
Marketer / Sales / Buyer

2015.4 – 2017.10

Built data operations pipeline for the enterprise seafood EC service. Committed to growing business at the fast-paced

startup that raised 1 billion yen in the year 2015.

- Built and operationalized data processing pipeline for the enterprise seafood EC service used at the time by **5000+ restaurants**. I made excel spreadsheets to manage seafood wholesale market data exchanged via fax and phone conversation, and decreased the time took for the whole data uploading process down **by 50% from 4hrs to 2**.
- Expanded product line by adding **1000+ new products** to the EC service. I chose the products, negotiated deals with suppliers, prepared product photos and promotion sentences, set price, maintained the product database in Excel, and kept track of the sales numbers. The new products generated **10-30%** of the daily revenue after addition.
- Worked on building the main brand, “direct from produce (産直)”, on the EC service. I contacted multiple fishermen around Japan every morning and purchased products that the Tsukiji seafood market did not usually sell. The brand generated **25%-50%** daily revenue on the service.
- Worked as both cooperate sales/career consultant in the new seafood cook recruitment service for restaurants/supermarkets from April to October in 2017. I made the service profitable immediately after service inception and kept growth while I was there.
- **Technologies/tools:** MySQL (querying data), Microsoft Excel, Google AdWords, Google Analytics, Facebook Ads Manager, Kintone
- **Company size:** 14 when joined, approximately 80 when I left.

Education

2011-2015 Akita International University: Bachelor of Arts in Global Studies

Other

- **Music Enthusiast:** Ex-lead of a 90 people high school orchestra. Plays cello, bass guitar, saxophone, and drums.
- **Jogging Enthusiast:** Runs 50-100km per month.