

Joe Kamibeppu

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EXPERIENCE

IBM

Staff Software Engineer
Software Engineer

Littleton, MA, USA

October 2018 - Present

September 2017 - October 2018

- Implemented mechanisms to ensure the Visual Recognition service is compliant with the EU's General Data Protection Regulation (GDPR)
- Implemented backend infrastructure to scale machine learning models to handle production-grade workloads
- Improved CI/CD pipelines using Git, Jenkins, Docker and Kubernetes to enable faster development and release cycles
- Introduced testing infrastructure to perform more effective unit testing, functional testing, load testing
- Improved onboarding process for new employees by gathering onboarding requirements and actively maintaining
- Provided guidance and mentorship to four graduate-level summer interns
- Worked on requirements to consolidate infrastructure across IBM Watson cloud
- Worked on creating, modifying and deploying Kubernetes objects
- Participated in discussions of public APIs, providing input on how to make the APIs intuitive and easy to use
- Wrote backend code for the IBM Watson Visual Recognition service, which detects object detection in images. Also allows users to train custom image classifiers to detect custom attributes.
- Work on Red Hat OpenShift to deployment private cloud infrastructure.
- Learned about public cloud infrastructure as part of the IBM Watson Visual Recognition team
- Work closely with product managers to reflect customer feedback in short deployment cycles
- Worked on continuous refactoring of our Go codebase, ensuring we were using the best Go practices
- Owned a backend component that allows users to interact with machine learning models.
- Promoted earliest among a hiring class of 30+ engineers

Tufts University

Teaching Assistant for Discrete Mathematics

Medford, MA, USA

September 2016 - December 2016

- Coached 100+ students on concepts and applications of discrete mathematics
- Hosted weekly office hours to review class topics and assignments with students
- Graded student assignments and provided detailed feedback

Bloomberg L.P.

Software Engineering Intern

Tokyo, Japan

June 2016 - August 2016

- Built a Django application to visualize the volume of executed trades in major financial markets
- Wrote programs in Python and C++ to automate market data processing
- Demonstrated the final product in front of 30+ senior engineers and office executives

EDUCATION

Tufts University

Bachelor of Science (B.S.) in Computer Science

Medford, MA, USA

September 2013 - May 2017

- Member of Marathon Team

- Member of Japanese Culture Club

SKILLS

Programming Languages	Proficient: Go, Python Familiar: C, C++
Technologies	Git, Docker, Kubernetes, Unix, Jenkins, PostgreSQL, S3, LaTeX, ArcGIS, Agile, OpenShift, Ansible
Languages	Native: English, Japanese