

Frank Blechschmidt

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PROFESSIONAL EXPERIENCE

Senior Software Engineer Box, Inc.

05/06/2019 – Present

900 Jefferson Ave, Redwood City, CA 94063

- Architecting and implementing new components for Box's Cloud Platform based on Kubernetes and Docker including scheduling, service authentication and authorization, service discovery, load balancing, and monitoring.

Software Engineering Lead (SAP Conversational AI) SAP Labs, LLC.

07/01/2016 – 05/03/2019

3410 Hillview Ave, Palo Alto, CA 94304

- Led a global engineering team and spearheaded SAP's Conversational AI initiative as part of SAP's strategy to become the industry leader in Intelligent Enterprise software.
- Defined and executed the development of a Docker-based cloud-scale microservice architecture on top of SAP's Cloud Foundry and Kubernetes offering through SAP Cloud Platform.
- Managed post-acquisition activities for Recast.AI by migrating the existing services to SAP's Kubernetes infrastructure and automating the testing and deployment using Jenkins.
- Supervised the recruiting of new engineering talents and mentored a growing team of software developers and data scientists.
- Collaborated with internal stakeholders and customers for Proof-of-Concept (PoC) development and platform onboarding.
- Represented the team and product on a variety of developer conferences and architecture summits, such as O'Reilly AI Conference, SAP TechEd and Google I/O.

Software Engineer (SAP Innovation Center Silicon Valley) SAP Labs, LLC.

10/12/2015 – 06/30/2016

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- Created a Twitter bot to accompany attendees of SAP's biggest customer conference SAPHIRE NOW through summarizing and recommending conference events based on the context and interest of the individual attendee.
- Developed a software component for converting resumes from PDF to machine-readable format for data-driven recruiting PoC showcasing the power of Machine Learning (ML) and Natural Language Processing (NLP) for Human Resources (HR) domain.
- Implemented a web app to visualize the performance tests of database queries using Google Charts and leveraging dynamic information retrieval through descriptive programming.

Software Engineering Intern (SAP Innovation Center Silicon Valley) SAP Labs, LLC.

09/02/2014 – 09/01/2015

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- Implemented a demo web app for SAP's co-founder Hasso Plattner's SAPHIRE NOW keynote displaying the simplification potential for decision-making in the consumer product industry through holistic, real-time views for short supply management.
- Extended the web video player for openHPI/openSAP Massive Open Online Course (MOOC) platform by providing information based on semantic analysis of video and user content with SAP HANA Text Analysis.

Student Assistant Hasso Plattner Institute

03/06/2012 – 08/31/2014

Prof.-Dr.-Helmert-Str. 2-3, 14482 Potsdam, Germany

- Developed research proof of concepts for enterprise applications using cutting edge technologies such as in-memory databases and programming languages such as JavaScript and Java
- Extended MOOC Platform openHPI with A/B testing capabilities using Ruby on Rails
- Implemented a Web IDE prototype using JavaScript and Python showcasing the integration between developer environment and data access layer

PATENTS

Cognitive Enterprise System

US 20180144257A1, US 20180144053A1

Filed 03/07/2017

Issued 05/24/2018

EDUCATION

Hasso Plattner Institute, University of Potsdam Bachelor of Science

Potsdam, Germany

08/27/2014

Major: IT-Systems Engineering

TECHNICAL SKILLS

- Programming Languages:** Python, JavaScript, Java
- Databases:** PostgreSQL, MongoDB, Redis, MySQL, HANA
- Frameworks:** Django, Node.js, Express, aiohttp, Tornado
- DevOps:** Docker, Jenkins, Git, Unicorn, RabbitMQ
- Cloud Platforms:** Kubernetes, GCP, AWS, Cloud Foundry
- Message Queues:** RabbitMQ, Kafka, Celery
- Machine Learning / AI:** TensorFlow, Keras, scikit-learn
- NLP:** SpaCy, Rasa, CoreNLP, Duckling, SUTime