

# Frank Blechschmidt

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## PROFESSIONAL EXPERIENCE

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### Engineering Manager

October 2021 – Present

#### Box, Inc.

Redwood City, CA

Leading Box's global cloud platform team of 12 engineers building and expanding the internal Kubernetes-based Platform-as-a-Service (PaaS).

- Developing vision & strategy and driving the execution for Box's Kubernetes-based cloud platform.
- Working with product managers and architects on cross-team projects, including prioritization, resource planning, technical strategy, and OKRs.
- Managing the migration of Box's Kubernetes platform from on-prem, multi-region data centers to Google Kubernetes Engine (GKE).
- Mentoring and supervising engineers to set them up for success through growth plans, customized training, and frequent feedback.
- Sourcing, recruiting, and interviewing software engineers to grow the team on all levels, from junior to staff.

### Tech Lead Manager

March 2021 – October 2021

#### Box, Inc.

Redwood City, CA

Tech Lead Manager (TLM) is Box's 6-12 months program to support individual contributors in their transition to engineering management.

- Delivered key projects, such as the rollout of declarative observability tooling, Kubernetes cluster landscape rebalance and expansion, the onboarding of Box's monolithic core app to Kubernetes, and the modernization of Box's Kubernetes infrastructure.
- Increased team productivity by streamlining status updates processes and OKR management using Atlassian tooling and reducing redundancies.
- Completely redesigned the end-of-quarter team retrospective making it an objective and democratic ritual leading to increased contributions, enhanced accountability, and greater team satisfaction.
- Worked as a member of a cross-functional recruiting team to hire and interview Box's interns for the summer of 2021.

### Senior Software Engineer

May 2019 – March 2021

#### Box, Inc.

Redwood City, CA

- Architected and implemented new components for Box's Kubernetes-based cloud platform, including deployment configurations, application management, high-availability setups, migration tooling, and platform integrations.
- Planned and coordinated the introduction of new Kubernetes clusters and availability zones, including rebalancing existing services across multiple clusters and regions for improved availability guarantees.
- Implemented a promotion model for deployment pipelines to enable secure and safe rollouts of service changes across environments and increase the reliability of services deployed on Box's cloud platform.
- Migrated platform to role-based access control (RBAC) with LDAP integration for granular authorization and reduced toil.
- Onboarded, supervised, and mentored 4 full-time team members and 2 interns to foster Box's engineering principles and values.

### Lead Software Engineer

July 2016 – May 2019

#### SAP Labs, LLC.

Palo Alto, CA

- Led a global engineering team and spearheaded SAP's Conversational AI initiative as part of the company's Intelligent Enterprise strategy.
- Designed and developed a cloud-scale microservice architecture on top of SAP's Cloud Platform based on Cloud Foundry and Kubernetes.
- Headed post-acquisition activities for Recast.AI by migrating the existing services to SAP's infrastructure and automating CI/CD using Jenkins.
- Supervised recruiting new engineering talents and mentored a growing team of software developers and data scientists.
- Collaborated with internal stakeholders and customers for Proof-of-Concept development and platform onboarding.

### Software Engineer

October 2015 – June 2016

#### SAP Labs, LLC.

Palo Alto, CA

- Created a Twitter bot to accompany SAP's SAPHIRE NOW customer conference by recommending events based on an attendee's interest.
- Developed a software component for converting resumes from PDF to machine-readable format for data-driven recruiting PoC.
- Implemented a web app to visualize the performance tests of database queries using Google Charts and dynamic information retrieval.

## PATENTS

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### Cognitive Enterprise System

US 20190332956, US 20180144053, US 20180144257

Filed March 2017

Published May 2018

## OPEN SOURCE

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- **python-sutime:** Python wrapper for Stanford's NLP library SUTime; officially mentioned on Stanford NLP website.
- **python-duckling:** Python wrapper for wit.ai's NLP library Duckling; used by leading Open Source NLU library Rasa NLU.

## EDUCATION

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### University of Illinois at Urbana-Champaign

Master of Computer Science

Urbana, IL, USA

January 2019 – August 2021

### Hasso Plattner Institute, University of Potsdam

Bachelor of Science (IT-Systems Engineering)

Potsdam, Germany

October 2011 – August 2014

## TECHNICAL SKILLS

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- **Programming Languages:** Python, JavaScript, Go, Jsonnet
- **Databases:** PostgreSQL, MongoDB, Redis, MySQL, SAP HANA
- **Frameworks:** FastAPI, Node.js, Express, Tornado
- **Cloud Platforms:** Kubernetes, GCP, AWS, Cloud Foundry
- **Message Queues:** Kafka, RabbitMQ, Celery
- **DevOps:** Docker, Git, Unicorn, RabbitMQ