Sebastian Schreck

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INTRODUCTION

Sebastian is a technology leader and seasoned software engineer with over ten years of experience, combining expertise in software engineering, cloud architecture, and DevOps mindset with impactful leadership and mentoring. After his early career as backend/frontend developer, he transitioned into leadership roles where he modernized legacy architectures, championed DevOps principles, and led large-scale cloud migrations. With extensive experience in designing scalable systems, automating CI/CD pipelines, creating observable and reliable systems, and mentoring cross-functional teams, Sebastian fosters engineering excellence and innovation.

Proficient in Python, Java, AWS, Terraform, Docker, Kubernetes, and CI/CD, he thrives across the software lifecycle — from ideation to deployment and observability. Beyond technical delivery, Sebastian drives organizational growth through recruitment, coaching, and knowledge-sharing initiatives. Combining technical depth with leadership skills, he is an excellent fit for roles like Principal Engineer, Cloud Architect, or Engineering Manager focused on digital innovation and large-scale modernization.

EXPERIENCE

- **Netlight Consulting GmbH** ↗
IT Consultant + Associate Manager

01.2019 - now
Berlin, Germany

Netlight is a consulting firm that emphasises collaboration and leveraging talent to deliver tailored, valuable results for clients. Fully integrated into client teams, consultants consistently exceed expectations by addressing real client needs. Beyond his role as an IT consultant, Sebastian has made extensive contributions to the development of colleagues and the organisation as a whole.

As a disciplinary lead (mentor), Sebastian fostered the continuous growth and development of his mentees, and driving the global "Welcome to Level" event series, celebrating career milestones. He also plays a key role as a pilot interviewer, pairing with junior interviewers to ensure high-quality evaluations and evidence-based decisions about candidates. With experience conducting over 50 technical interviews, Sebastian is instrumental in shaping the future generations of Netlighters.

Sebastian broadened the scope of Delivery Coaching, supporting consultants both on and off client projects, improving matching processes, and building dashboards to monitor and enhance coaching health metrics. As an Engagement Coach, he aligned delivery teams with client expectations while identifying partnership opportunities. Internally, Sebastian contributed to the Employer Value Proposition team, introducing data-driven approaches to salary and benefits decisions, and acted as the strategic stakeholder on an internal project to create a flexible event app used for internal and external events.

His leadership is exemplified by his role in organising Netlight's largest global knowledge-sharing event, focusing on software engineering and architecture. These initiatives showcase Sebastian's ability to balance technical expertise, leadership, and collaboration to drive impactful outcomes across multiple organisational layers.

   - AWS ProServe & Danske Bank
Staff Consultant

02.2025 - now
Copenhagen, Denmark & Vilnius, Latvia

Contributed to the large-scale cloud migration of a Scandinavian bank in collaboration with AWS ProServe, employing hyperautomation with Cutover.com runbooks, Terraform, and Lambda functions to streamline workflows. Provisioned EC2 Image Builder pipelines for compliant, reusable AMIs using Terraform IaC with a GitOps approach, and built infrastructure for a synthetic application to showcase migration workflows. Focused on automation-first strategies to enhance efficiency and compliance in a highly regulated environment, leveraging close collaboration with AWS experts to deliver scalable and secure solutions.

AWS, Terraform, CI/CD, GitOps, project management, stakeholder management

   - MBition GmbH
Expert Software Engineer

08.2023 - 12.2024
Berlin, Germany

Sebastian joined the Information Architecture team as expert software engineer to help in their efforts to build a professional software development environment and fostering engineering craftsmanship.

As the current architecture concept was reaching its limitations, Sebastian supported the design and implementation of a new solution to solve the current needs but also be ready for future extension and scaling - based on an existing corporate IAM solution. He actively connected engineers across team boundaries and created a focus group of principal engineers around the system architects to further evolve the system architecture and engineering landscape. When the engineering manager decided to create two additonal internal engineering positions, Sebastian designed the recruitment process and conducted the technical interview rounds.

While implementing the migration from the old architecture to the new landscape, Sebastian has been a role model in software craftmanship topics like clean code, lean architecture, and CI/CD concepts. Sebastian enabled other teams to re-use functionality he has developed by extracting this as a innersource Python library, setting up an independent and fully automated test and release pipeline using Gitlab CI and self-hosted Artifactory.

Python, Django, CI/CD, AWS, GitLab, Scrum, Docker, SAFe, IAM, upskilling, software architecture, IT strategy, DevOps

- PricewaterhouseCoopers GmbH Wirtschaftsprüfungsgesellschaft (PwC)   *07.2022 - 06.2023*
  Tech Lead & Technical Product Owner   Germany

Sebastian led an engineering team to digitalise audit workflows, making processes faster, more thorough, and less error-prone. As part of the client's global digitalisation initiative, the team worked on ETL processes for insurance claims data using Python, Docker, and Azure. Sebastian managed communication with stakeholders, fostered knowledge exchange to solve shared challenges, and introduced best practices like CI/CD, automated dependency updates, and vulnerability scans. He also oversaw compliance processes for tailored applications.

Python, Docker, CI/CD, software architecture, DevOps, cross-team alignment, requirements engineering, stakeholder management, SAFe

- Mercedes-Benz Automotive Mobility GmbH   *01.2021 - 06.2022*
  Tech Lead & Product Owner   Berlin, Germany

Sebastian joined the team as a successor of two senior engineers to take over the role as a tech lead from them. In this role, Sebastian was not only fulfilling the responsibilities of a full-stack engineer for the Python/React-based applications but also took care of cross-team collaboration topics. Furthermore, Sebastian was actively driving the connection between the tech leads of the development teams with the CTO as well as with the group of product owners in order to align and discuss the overall IT strategy. Additionally, Sebastian took the role of the team's interim PO for two months. When the organisation wanted to grow their internal workforce, Sebastian co-designed the recruitment process and conducted the technical interview rounds.

Python, FastAPI, Docker, CI/CD, Kubernetes, React, MongoDB, REST, Software architecture, DevOps, cross-team alignment, SAFe, GitHub

- Merger & Acquisition Project (secret)   *11.2019 - 01.2020*
  Technical Due Diligence Assessment

Sebastian was engaged in the technical assessment of two target companies during an M&A process. This process required a thorough look into the available documentation and summarising the state of the current technical landscape of the companies as well as identifying potential risks and deriving recommendations for the interested investor in a concise presentation.

- idealo Internet GmbH   *08.2019 - 12.2020*
  Lead Software Engineer & Architect   Berlin, Germany

Sebastian joined a team running a monolithic application that relied on a shared Oracle database. The team decided to have a dedicated MongoDB database would be populated by consuming different Kafka topics. Furthermore, Sebastian helped with the team's agile routines and team culture by re-introducing things like pair-programming and team retrospectives.

After the successful migration project and establishing himself as a valuable engineer and architect, Sebastian was asked to join the team responsible for replacing the legacy product page variants with a modern tech-stack. Sebastian was brought in to evaluate the architecture decisions made so far together with the team. Additionally, Sebastian helped to evaluate and improve the team's routines and practices for collaboration. Sebastian supported the hiring process to find the best fit for an open senior backend engineer position in the team.

With the experience of conducting the architecture review before, Sebastian was asked to join another team to support their effort of rewriting the checkout applications.Sebastian joined the team with the focus on the architecture design for the new checkout, based on a modern tech stack. Meanwhile, he also encouraged more automation, e.g. in regards to regular dependency updates jobs. Sebastian also supported the recently joined team lead with the hiring process and conducting full-day team workshops.

Java, SpringBoot, lombok, CI/CD, Docker, JUnit, REST, Scrum, Kafka, Kubernetes, React, Typescript, MongoDB, GraphQL

- ImmobilienScout24 GmbH   *01.2019 - 07.2019*
  Senior Software Engineer & Cloud Architect   Berlin, Germany

Sebastian was part of the Team responsible for the search result list and expose view of the real estate entries. In addition to feature development, Sebastian also supported the team to migrate services still running in the on-premise datacenter to AWS.

Sebastian later became part of a newly formed team to automate a PoC solution which relied heavily on manual efforts. In this team, he took responsibility to architect and implement the new, automated solution and its serverless AWS cloud infrastructure.

Java, SpringBoot, lombok, GitHub, Jenkins, AWS, Docker, JUnit, REST, Scrum

- **Mister Spex GmbH** ↗   *05.2015 - 12.2018*
Professional Software Engineer   Berlin, Germany

Sebastian contributed to the growth of Mister Spex by developing backend and frontend features for the e-commerce platform based on Intershop. He played a key role in building the GlassAPI microservice, which improved price calculation and feature configuration processes while decoupling different parts of the system landscape. Recognizing the value of cross-functional collaboration, Sebastian drove the adoption of DevOps principles, eventually joining the infrastructure operations team. In this role, he automated processes, enhanced platform security to mitigate hacker attacks, and led the AWS cloud migration project using Infrastructure as Code (IaC) tools like CloudFormation and Ansible. His efforts empowered development teams and improved the scalability and resilience of the e-commerce platform.

- Webshop Operations Team   *01.2017 - 12.2018*
Cloud / Infrastructure

Sebastian excelled in infrastructure operations at Mister Spex by modernizing its cloud operations and strengthening platform security. He was instrumental in migrating key services, including the webshop application, to AWS cloud infrastructure. Leveraging Infrastructure as Code (IaC) with tools like AWS CloudFormation and Ansible, he automated deployment and development workflows, ensuring a secure, scalable, and resilient environment for the e-commerce platform. Additionally, he implemented measures to protect the cloud infrastructure from hacker attacks and conducted internal workshops to share his expertise. His holistic approach to cloud adoption and security improved operational efficiency and positioned Mister Spex to leverage the full potential of cloud technologies. The cloud migration approach was also shared in a talk Sebastian held at a public AWS event.

AWS, Python, flask, Docker, Intershop, bash, GitLab, CI/CD, Ansible, Apache, KanBan, icinga

- Webshop Development Team   *06.2015 - 01.2017*
Backend and Frontend

During his tenure at Mister Spex, Sebastian made significant contributions to webshop development, focusing on backend and frontend enhancements as well as microservice architecture. A cornerstone achievement was the design and implementation of the GlassAPI, a standalone microservice responsible for pricing and feature configuration of prescription glasses. This system resolved operational dependencies between the ERP system and the webshop monolith, allowing uninterrupted logistics operations during webshop deployments. By seamlessly integrating the API into the company's infrastructure, Sebastian ensured a scalable and maintainable solution. He worked on customizing the commercial e-commerce platform and bridging traditional backend and frontend roles, fostering cross-functional efficiency.

Java, Intershop, Eclipse, GitLab, Javascript, HTML5, CSS, CI/CD, Clean Code, jQuery, Oracle, Docker, Bamboo, Scrum

- Quality Assurance   *10.2012 - 05.2015*
Working student

Ensuring the quality and functionality of the web shop, ERP software and their interfaces. Planning and conduct releases.

Java, Selenium, SVN, Scrum, Git, trac

EDUCATION

- **Technische Universität Berlin**   *10.2011 - 04.2015*
Master of Science - Computer Science   Berlin, Germany
  ◦ GPA: 3.1/4.0
  ◦ German grade: 1,9

- **Technische Universität Berlin**   *10.2008 - 12.2011*
Bachelor of Science - Computer Science   Berlin, Germany
  ◦ GPA: 2.8/4.0
  ◦ German grade: 2,4

PROJECTS

- **AngularCV: [A simple self-hosted online-CV]**   *09.2017 - now*
Tools: [Angular, MaterialDesign, Typescript, AWS, semantic versioning, GitHub Actions]   [❍]
- **RatS: [Script for transferring personal movie ratings from one site to another]**   *02.2017 - now*
Tools: [Python, Selenium, Git, Docker. BeautifulSoup, GitHub Actions]   [❍]
- **Beat the Host: [A web-based game inspired by the German TV show "Schlag den Raab"]**   *12.2023*
Tools: [Vue3, Javascript, AWS, GitHub Actions]   [❍]
- **Hackathon „RecodingAviation": [Won partner prize of Munich Airport for improving passenger journeys]**   *2017*
Tools: [Angular, Typescript, nodejs, AWS, GitHub Actions]

Talks and Publications

[C.6] Sebastian Schreck, Enis Caliskan. **Learnings from Using SAFe Framework at Big Corporations**. At *DB Agile Round Table*. 2024, Berlin.

[C.5] Sebastian Schreck. **What is DevOps? - The Mindset behind the Buzzword**. At *Netlight Architecture Barcamp*. 2022, Hamburg.

[C.4] Sebastian Schreck, Jasper Hahn. **Something, Something... DevOps - A Tale of two developers**. At *Netlight EdgeX Vol. 8*. 2020, global.

[C.3] Sebastian Schreck, Rosemarie Lohr. **Looking at a New-Born Star Through the Telescope: Architecture Review Approach at idealo**. At *Netlight EdgeX Urknall*. 2020, global.

[C.2] Sebastian Schreck, Joan Ardiaca. **Bringing a complex stack to the cloud - Our journey and lessons learned**. At *AWS Startup Day*. 2018, Berlin.

[C.1] Sebastian Schreck, Thomas Uebel. **Tear Down This Wall – Overcoming collaboration obstacles on your DevOps journey**. At *code.talks* & *DevOpsCon*. 2018, Berlin.

Skills

- **Programming Languages:** Python, Java, FastAPI, SpringBoot, Django, Flask
- **Web Technologies:** React, Angular, Typescript, HTML, CSS, jQuery
- **Database Systems:** MySQL, MongoDB, Oracle, DynamoDB
- **Cloud Technologies:** Amazon Web Services (AWS): EC2, Lambda, CloudFormation, RDS, CloudFront, Route53, CloudWatch, ...
- **DevOps & CI/CD:** GitHub Actions, GitLab CI, Jenkins, Docker, Kubernetes, Terraform, bash

Certifications

- **AWS Badge Migration Foundations** — *05.2025*
- **Introduction to FinOps** — *01.2025*
- **AWS Cloud Practitioner** — *11.2018*
- **Intershop Development** — *11.2018*
- **ITIL v3 Foundation Certificate** — *07.2012*

Volunteer Experience (selection)

- **Recruit** — *02.2025 - now*
  Federal Agency for Technical Relief (THW) [🌐]
  - The German Federal Agency for Technical Relief is specialised in providing technical and humanitarian assistance. Its 88,000 volunteer operatives help in the wake of natural disasters, accidents and other emergencies, both in Germany and abroad.

- **Volunteer Team Lead** — *2007 - 2016*
  ISTAF [🌐]
  - Technical event setup and teardown
  - Event security service lead
  - Event security coordinator in collaboration with police, fire department, etc.

- **Volunteer Team Lead** — *2007 - 2016*
  Hertha BSC, DFB cup, UEFA Champions League [🌐]
  - Team lead Visitor services at matches of Hertha BSC
  - Team lead visitor services at UEFA Champions League finals 2015 Berlin
  - Visitor services at DFB Cup finals and DFB national team matches

- **Rowing Regatta Organiser** — *2005 - 2015*
  Rowing Bundesliga, German Indoor Rowing Series, European Rowing Champions League, et al. [🌐]
  - Technical regatta course setup coordination
  - Official time measurement
  - Competition court

- **Youth Leader & Coach** — *2007 - 2014*
  Deutsche Ruderjugend | German Rowing Federation [🌐]
  - Coaching the best German youth rowers in national training camps
  - Organising camp for visiting the Olympic Games with a group of teenage rowers
  - Recreational rowing tours for young German rowers in Europe

Additional Information

Languages: German (mother tongue), English (fluent), Italian (fluent)
Interests: Volunteering, Reading (mostly science fiction), Cycling, GeoCaching