



# VEIT NACHTMANN

## PERSON

**Name** Veit Nachtmann  
**Address** Martin-Luther-Str. 120,  
10825 Berlin - Germany  
**Phone** +49 175 551 11 17  
**Email** veit@nachtmann.it  
**Born** on December 23, 1987 in  
Würzburg, Germany

## CORE COMPETENCIES

- **Architecture & Scaling:**  
Design and development of high-performance, high-availability and secure platforms
- **AI/ML & Data Science:**  
Development, deployment and optimization of machine learning models and automation of AI pipelines
- **DevOps & Automation:**  
infrastructure as code, CI/CD pipelines, containerization and orchestration
- **Cloud & Virtualization:**  
Setup, migration and operation of cloud and on-premise environments
- **Security & Compliance:**  
security architecture, security audits, network segmentation and authentication systems
- **Networks & Infrastructure:**  
High availability networks, firewall management, load balancing and data center technologies

*"Experienced DevOps Engineer & IT Architect with over 15 years of expertise in designing, developing and scaling highly available and secure infrastructures. Specialized in cloud computing, virtualization, CI/CD automation and AI/ML integration. Proven success in the migration of complex systems, the optimization of DevOps pipelines and the implementation of innovative technologies to increase efficiency, security and performance. Extensive experience in AWS, Kubernetes, Docker, Terraform, Ansible and security audits. Profound knowledge in machine learning, from model training to deployment, as well as in the automation of AI pipelines. Known for a solution-oriented way of working, agile thinking and the ability to implement complex technical concepts strategically and operationally."*

## PROFESSIONAL EXPERIENCE

### ITZBund

#### DevOps Engineer, Build Manager

January 2025 - now

- Dockerisation of Maven Build-processes including jBoss, Oracle Free, Selenium and Arquillian
- Analysis and Delta-creation of organically grown projects

### Carl Zeiss Semiconductor Manufacturing Technology (ZEISS SMT) DevOps Engineer

July 2023 - December 2024 (18-month temporary employment)

- Designing scalable infrastructures to support machine learning workflows and AI-driven analytics solutions
- Automated migration from VMWare to Proxmox
- Introduction of Docker into existing build and test processes
- Containerization of existing applications for migration to new hardware
- Creation of Ansible playbooks for the automation of manual tasks
- Carrying out a security audit of the infrastructure
- Development of a CI-compliant Redmine theme for communication with ASML
- Management of the Anaconda infrastructure
- **Technologies:** Ansible, Docker, Kubernetes, VMWare, Proxmox, Python, Active Directory, Apache2, NginX, Redmine, Jenkins, Miniconda, Anaconda Managed Python

### BWI GmbH (on behalf of the Bundeswehr) Freelance DevOps Engineer

May 2022 - July 2023

- Migration from VMWare vSphere to OpenStack and Proxmox
- Creation of Ansible Playbooks
- **Technologies:** VMware vSphere, VMware ESX, VMware vRealize, OpenStack, Proxmox, Ansible

# EDUCATION

## Computer Science Studies

University of Würzburg & Free  
University of Berlin  
2007 - 2015

### A-Levels

Gymnasium Schloss Hagerhof, Bad  
Honorf  
2001 - 2007

- 2004 - 2005: Year abroad during 11th grade in Oregon, USA

# IT-SKILLS

## Machine Learning & AI

- **ML frameworks:** TensorFlow, PyTorch
- **AI/ML deployment:** model deployment, AI pipeline automation, model performance monitoring
- **Data processing:** NumPy, pandas, Scikit-learn

## Virtualization & Containerization

- 10y Docker, 9y Kubernetes, 15y Proxmox, 7y VMware, 4yOpenStack, Xen, KVM, LXC, Vagrant, VirtualBox

## Cloud Computing & APIs

- 9y AWS, 5y Azure, Hetzner

## Operating Systems

- Linux, Unix (Solaris, IBM AIX), Microsoft Windows Server

## Web & Proxy Server

- **Web server:** NginX, Apache2, Lighttpd
- **Proxy server:** Squid, Varnish

## Application Server & Object Storage

- **Application server:** Passenger, Mongrel, Tomcat, Glassfish, Jetty
- **Object Storage:** MinIO

## CI/CD & Automation

- Ansible, CDK, Terraform, Puppet, Rundeck

## Monitoring & Logging

- Ganglia, New Relic, DataDog, Grafana

## Databases & Caching

- **Databases:** MySQL, PostgreSQL, Oracle, Elastic (Enterprise) Search, CouchDB, Cassandra, Redis
- **Message Queues:** RabbitMQ (Cluster)
- **Caches:** Memcached, Redis

## Web technologies & CMS

- **Content manipulation:** Greasyspoon, Mod\_Pagespeed
- **CMS & ticket systems:** Typo3, Wordpress, Drupal, Redmine

## Mail server

- Postfix, Exim4

## Funkelfetisch / NEBULITE Berlin

### Founder & DevOps Engineer

Since December 2019

- Management of the wearable tech fashion label and development of innovative lighting technology for clothing and accessories
- Training of ML models to recognize braking processes
- Development and operation of DevOps infrastructures
- Web design, automation, product development and series production
- Creation of Ansible playbooks and n8n workflows to automate manual tasks
- **Technologies:** Ansible, Docker, Zammad, OpenProject, CloudFlare, AWS Lambda, IoT, Shopify Liquid, WooCommerce, Fusion360, KiCad, ESP32, Ionic5, Angular, Apache Cordova

## MSA Deutschland GmbH / safety io GmbH | Berlin, Germany

### DevOps Engineer

June 2016 - November 2019

- Development and operation of an AWS-based IoT infrastructure with CI/CD pipelines
- Automated deployment of development and production environments via Ansible
- Creation of Ansible playbooks and plugins
- Setup and management of SIEM solutions with Splunk and Datadog
- Design of high-availability networks and VPN structures
- **Technologies:** AWS (Lambda, Kinesis, EC2, IoT, RDB, S3, EKS, ECS, ECR, CloudFormation), Ansible, Python, Kubernetes, DC/OS, Splunk, Jenkins, OpenVPN, Keycloak

## Bitplaces GmbH | Berlin, Germany

### DevOps Engineer

February 2015 - March 2016

- Migration of the AWS-based platform to Frankfurt
- Management of a load-balanced Java application with weekly deployments
- Implementation of Cassandra, Elastic and RabbitMQ clusters
- **Technologies:** AWS, Puppet, Terraform, Docker, Cassandra, RabbitMQ, Elastic, Kibana, Tomcat, Jenkins, NginX

## ressourcenmangel GmbH | Berlin, Germany

### Freelance DevOps Engineer

August 2009 - December 2014

- Design and implementation of high-availability and high-performance infrastructures for various customers, including
  - **gruene.de** (Proxmox, KVM, CouchDB, RoR, MySQL)
  - **energiedebatte.com** (MySQL replication, Typo3, load balancer)
  - **zensus2011.de** (XEN, Typo3, NginX, CDN)
  - **bmg.bund.de** (Typo3, MySQL, NginX)
  - **moz.de** (Typo3, MySQL replication, Varnish)
- Administration and automation with Puppet
- Establishment of a centralized infrastructure for development servers
- **Technologies:** Ansible, Puppet, Proxmox, XEN, AWS, NginX, Apache, MySQL, Redis, Typo3, Varnish

## Programming Languages & Frameworks

- **Languages:** 15y JavaScript, 9y Python, PHP, Perl (RegEx), Bash, Java, C, C++, TypeScript, SQL, XUL, Ruby
- **Frameworks:** 5y NodeJS, 3y React Native, 15y jQuery, Ruby on Rails, Java EE, 2y AngularJS, Ionic5

## Build & Version Control

- **Build software:** Jenkins, Maven
- **Version control:** 15y Git, SVN

## Network & Security

- **VPN technologies:** (Open/Cisco) VPN, WireGuard, PPTP, IPSec
- **Firewall & Routing:** Juniper/Brocade firewalls, switches and routers

## Data Center Hardware

- Sun Fiber Channel Storage Area Network
- Sun SPARC Enterprise Server
- HP ProLiant Server

## LANGUAGES

**German** Mother Tongue

**English** Fluent

## FURTHER EXPERIENCE

### Co-founder of Lichtfetisch

[www.lichtfetisch.de](http://www.lichtfetisch.de)

- Conception and installation of innovative light art using LEDs, lasers and microcontrollers
- Organization and implementation of dance events with up to 600 guests, including location management and event planning

### Founder of Funkelfetisch

[www.nebulite.berlin](http://www.nebulite.berlin)

- Successful implementation of a crowdfunding project for the world's first collection of fiber-optic illuminated bags and clothing
- Independent development of intelligent functions such as the detection of braking processes when cycling with visual warning signals for greater road safety

## REFERENCES

*Available on request*

## Independent Development

### Freelance Embedded Systems Engineer

*February 2014 - September 2014*

- Development of Atmel ATmega-based modules for wireless synchronization of lighting effects based on accelerometer data and DMX signals
- **Technologies:** C++, Assembler

### Spreadcommerce GmbH

#### Co-Founder & Lead Engineer

*February 2012 - December 2014*

- Development of a proxy for the mobile content adaptation of existing online stores
- Architecture and operation of the platform infrastructure
- **Technologies:** Java EE, Jetty, NodeJS, AngularJS, TamperMonkey, Android SDK, CouchDB, Varnish, NginX

### The Unbelievable Machine Company GmbH | Berlin, Germany

#### Freelance Datacenter Architect

*May 2011*

- Development and maintenance of data center infrastructures for customers such as mytoys.de and the ZDF media library

### nachtmann.it UG

#### Founder & Managing Director

*January 2010*

- IT consulting, DevOps engineering and infrastructure projects

### Bahn Fachverlag | Berlin, Germany

#### Freelance IT Consultant & System Administrator

*December 2009 - January 2010*

- Infrastructure modernization and server consolidation

### nightlyhost.de, nightlycode.de, nightlyhelp.de

#### Founder & Operator

*July 2008*

- Hosting and software solutions for various customers

### Institute of Pharmaceutical Biology, University of Würzburg

#### System & Network Administrator

*November 2007 - February 2009*

- Support for Microsoft Windows clients and network infrastructure

### Hochbegabtenförderung e.V.

#### Lecturer - Computer Courses

*Occasionally*

### Nörr Computers and Networks | Würzburg, Germany

#### Intern - IT Systems Electronics Technician

*2003 - 2004*