Brian Wiborg

Engineering Leader · Distributed Systems · Open Source & Open Core
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PROFILE

Engineering leader with 15+ years in Linux infrastructure, distributed systems, and open-source products. Co-founded mailbox.org as CTO at Heinlein-Support — building it from zero to one of Europe's leading privacy-first email platforms. Experienced in leading small, high-ownership engineering teams at both startup and enterprise scale. Currently spearheading NOMOI, an open protocol for cryptographically verifiable authority delegation targeting IETF/W3C standardization. Comfortable in pre-PMF ambiguity, direct in communication, and focused on shipping over process.

EXPERIENCE

Linux Systems Engineer / SRE · snafu GmbH *Aug 2021 – Present*

E-commerce service provider; heterogeneous, highly individualized hosting environments.

- Design, implementation, and operation of HA e-commerce platforms on Proxmox/Ceph
- Email platform administration (SMTP, IMAP, DKIM, SPF, DANE) for enterprise clients
- Edge routing & firewalling (BGP, OSPF); data center and network administration (OSI L1–7)
- Built email account takeover detection & prevention system
- IaC via Ansible; 24/7 on-call rotation

HPC Engineer · Berlin Institute of Health (Max-Delbrück / Helmholtz) *Jun 2019 – Jun 2021*

Public-sector HPC infrastructure for Charité Berlin cancer research; joint HPC gatekeeper.

- Maintenance and expansion of SLURM compute cluster for research workloads
- Ceph and ZFS storage systems; network, switching, routing, and firewall administration

Co-Founder / CTO · Blunix GmbH *Apr 2017 – May 2019*

Linux service-provider and consultancy; Ansible-first IaC approach.

- Co-founded and led technical direction of Linux hosting consultancy
- Built and maintained client automation and configuration management platform (Ansible)
- End-to-end responsibility for delivery, reliability, and customer relationships

AWS Cloud Engineer · ImagineEasy Solutions (now Chegg) *Aug 2016 – Mar 2017*

- AWS infrastructure automation using Chef for edtech SaaS platform

Chief Technology Officer · Heinlein-Support GmbH *Apr 2012 – Jun 2016*

Linux hosting and security consultancy; ~30-person company. Reported directly to founder Peer Heinlein.

- **mailbox.org:** Co-founded mailbox.org
  - Built from zero in direct response to the Snowden revelations (2013); grew to become one of Europe's leading privacy-first email platforms with tens of thousands of paying users
  - Defined architecture, led engineering, and owned all technical decisions from product inception to scale
  - Implemented FIDO/U2F (YubiKey) 2FA — one of the first email platforms to do so
- Led and managed the SysAdmin team; responsible for hiring, standards, and engineering culture
- Ensured operational continuity of hosting infrastructure for thousands of business customers
- Public technical speaker: Chemnitzer Linux Days and other community events

Linux Systems Engineer · SysEleven GmbH *Aug 2011 – Mar 2012*

- Public cloud platform engineering on OpenVZ/Virtuozzo

Founding Systems Engineer · Berlin Startup Scene (DailyDeal, AllesAnna, others) *Aug 2009 – Jun 2011*

- Early infrastructure and continuous deployment (Git) at several Berlin seed-stage startups

CURRENT PROJECT

Project Lead & Architect · NOMOI — Network of Mandated Operational Invariants *2025 – Present*

Open protocol for cryptographically verifiable authority delegation across organizational boundaries. Designed to fill the gap between identity (eIDAS) and authorization provenance — enabling any party to independently verify a complete delegation chain without querying the issuing organization.

- Core innovation: models authority as an immutable signed event (not database state), using Ed25519, IPFS, and DNS
- Designed to be sovereign infrastructure (protocol, not product) — targeting IETF RFC and W3C VC alignment
- Directly enables EU mandates: CSDDD supply chain traceability, DORA audit resilience, eIDAS 2.0, EU AI Act agent bounds
- Go-based reference implementation in progress; three validation pilots planned (supply chain, financial auth, physical access)
- Building multi-stakeholder consortium: research, industry, and public-sector partners

TECHNICAL SKILLS

Languages	Go (primary), Python, Rust (learning), Bash
Infrastructure	Proxmox, Ceph, ZFS, SLURM, Ansible, Docker
Networking	BGP, OSPF, LACP, VXLAN, Q-in-Q, DNS, TLS, L1–L7
Open Source	Git, GitHub/Codeberg; zmate, OctoLog, WhIP (author)
Cryptography	Ed25519, FIDO/U2F, PKI, IPFS content-addressing

EDUCATION & SERVICE

Certified IT Systems Salesman · German Chamber of Industry and Commerce (IHK) *2005 – 2008*

High School · Patrick Henry High School *1999 – 2000*

Hauptgefreiter (Voluntary Military Service) · 3. Flugabwehrbataillon der Luftwaffe, Bundeswehr *2002 – 2004*