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Josef Doornink

Azure-Focused Kubernetes Architect and Lead SRE with 7+ years experience. Expertise in Azure, Kubernetes (AKS), and implementing Infrastructure as Code (Terraform) for scalable, resilient, and secure production systems. CKS/CKA certified with significant experience in CI/CD, SRE practices.

CERTIFICATIONS

CNCF-CERTIFIED KUBERNETES SECURITY SPECIALIST (CKS)



March 2024
LF-ghgugl1a0s

CNCF-CERTIFIED KUBERNETES ADMINISTRATOR (CKA)



June 2021
LF-w50bpv1lpd

MICROSOFT CERTIFIED AZURE DEVELOPER ASSOCIATE



August 2019
H210-5692

CERTIFIED TERRAFORM ASSOCIATE



July 2022
HCTAO-002

MACHINE LEARNING



COURSERA/
STANFORD
Sept 2025

EDUCATION

UC, Davis
Master of Science, 2006

CSU, Chico
Bachelor of Science, 2003
Mechanical Engineering

TECHNOLOGIES/LANGUAGES

Infrastructure & Cloud: AKS, AWS, Terraform, Docker, Kubernetes, Helm

Distributed Systems: Kafka, Redis, Memcache, ElasticSearch, SQL databases

SRE & Monitoring: New Relic, Prometheus, Azure Monitor, logging

Tools & Platforms: Linux, Git, GitHub Actions, AzDO, kubectl, Nginx

Methodologies: Infrastructure as Code, Configuration as Code, Agile, DevOps, SRE practices

Languages & Scripting: Python, Go (Golang), C#, PowerShell, Bash

EXPERIENCE

Lead SRE, Trimble/Viewpoint — Portland OR

JAN 2022 - PRESENT

- Architect and maintain large-scale Azure Kubernetes Service (AKS) production environments handling high-volume traffic, ensuring 99.9% uptime for distributed systems supporting 30+ microservices
- Design and implement comprehensive SRE practices including service discovery, networking architecture, monitoring frameworks, logging aggregation, and alerting for distributed microservices platform
- Develop automation tools using Python and Go to eliminate operational toil, reduce manual overhead, and accelerate deployment velocity across engineering teams
- Lead Infrastructure as Code initiatives using Terraform to manage cloud resources, enabling consistent, repeatable, and scalable infrastructure provisioning
- Build and maintain CI/CD pipelines using GitHub Actions and Azure DevOps, automating critical engineering processes to minimize risk and maximize innovation speed
- Manage capacity planning and performance optimization for Kubernetes clusters and backend databases, implementing scaling strategies to support growth
- Participate in on-call rotation providing critical incident response, root cause analysis, and remediation for production systems
- Create custom CLI tooling in Go (Cobra framework) to improve operational efficiency and streamline common workflows
- Lead technical design reviews and defend architectural proposals before DevSecOps review boards
- Mentor software developers on operations best practices, SRE principles, and distributed systems reliability

Software Developer I, Viewpoint — Portland OR

APR 2018 - NOV 2019

- Worked on cross-disciplined teams to transfer existing functionality of an on-premise software solution to a cloud based SAAS offering.
- Front-End engineer tasked with creating Angular UI integration with .NET APIs for transfer of on-premise software solution to the Cloud.

Software Developer I, Onfulfillment — Portland, OR

MAR 2014 - MAR 2018

- Team Engineer tasked with development, refactoring, and maintenance of multi-tenant software platform for e-commerce using Microsoft Stack technology and tools integrated with API based SaaS software.
- Engineer responsible for ‘uplift’ of older software solution to ‘Greenfield’ platform by creating integrated project plans, identifying vulnerabilities and measuring improved response times using New Relic.

Junior Developer, PACIFICAPPS — Portland, OR

APR 2013 -MAR 2014

- Software Developer tasked with learning and improving existing multi-tenancy platform for e-commerce sales and products
- Technologies used: ASP.NET 4.5, C#, T-SQL, SSMS, Visual Studio

Biomechanical Research Engineer II, Legacy Biomechanics Research Lab — Portland, OR

Feb 2007 - Jan 2013

- Lead test and development engineer in NIH funded, multimillion-dollar research project aimed at solving bone fixation in healthy and osteoporotic patients.
- Manage successful implant creation, delivery and test methodology producing multiple US FDA approved implants (K101696, K123918, K130810) and 2 x US patents (US9314286 B2 and US8740955 B2).
- Recipient 2010 American Academy of Orthopaedic Surgeons Award of Excellence for innovative implant design.

Honorary Fellow, BG Unfallklinik— Murnau, Germany

June 2008 - Aug 2008

- Established protocols to govern the mechanical analysis of ovine tibiae in to measure the torsional strength and stiffness before and after healing determining the effectiveness of customized orthopaedic implants
- Determined proper testing techniques for destruction testing of specimen using MTS software.Created and documented test protocols for future process automation, results collection and automation.

Quality Assurance Associate, Google — Mountain View, CA

Sept 2006 - Nov 2007

- Evaluated the accuracy of Google search engine results and web layout effectiveness for web advertising.
- Gained unique and valuable experience with the UI side of quality assurance.
- Communicated remotely through email with interdisciplinary web developers.

Professor Biomechanics, University of Portland — Portland, OR

Sept 2006 - Dec 2006

- Created and delivered biweekly lectures and laboratories about design principles and guidelines for orthopaedic implant development to twenty-five upper level mechanical engineering students.

TECHNICAL PROJECTS

Kubernetes Security Hardening Initiative (2024, Trimble)

- Implemented CKS best practices across production clusters, achieving SOC2 compliance
- Designed automated security scanning and remediation workflows

Chief SRE Engineer: MyReason

June 2025 - PRESENT

- Lead Site Reliability Engineer at startup designing and building multiple cloud environments using Infrastructure as Code and Configuration as Code principles
- Architecting distributed systems with focus on reliability, automation, and excellence

EDUCATION:

- UC, Davis: Master of Science, 2006
- CSU, Chico: Bachelor of Science, 2003: Mechanical Engineering

PUBLICATIONS (SUBSET OF 11)

- Doornink J, Fitzpatrick DC, Madey SM, Bottlang, PhD; Far Cortical Locking Enables Flexible Fixation with Periarticular Locking Plates in the Distal Femur. *J Orthop Trauma* 2011 Feb; 25 Suppl 1: S29-34
- Doornink, Josef MS; Fitzpatrick, Dan C. MD; Boldhaus, Sebastian BS; Madey, Steven M. MD; Bottlang, Michael, PhD; Effects of Hybrid Plating With Locked and Nonlocked Screws on the Strength of Locked Plating Constructs in the Osteoporotic Diaphysis. *Journal of Trauma-Injury Infection & Critical Care*: August 2010 – V69 – Issue 2
- Michael Bottlang, PhD; Daniel C. Fitzpatrick, MD; Trevor J. Lujan, PhD; Josef Doornink, MS; Steven M. Madey, MD; Biomechanics and Use of Far Cortical Locking in Orthopaedic Trauma. *Orthopaedic Knowledge Online Journal*; August 2012

PATENTS, AWARDS, ADDITIONAL ACCOMPLISHMENTS

Patents:

- Bottlang M, Keith M, Doornink J, Koser AL; Bone Screw with Multiple Thread Profiles for Far Cortical Locking and Flexible Engagement to a Bone. Patent No's [US9314286 B2](#) and [US8740955 B2](#)

Awards:

- Scientific Exhibit Award of Excellence, American Academy of Orthopaedic Surgeons, AAOS 2010. Bottlang M, Doornink, J , Fitzpatrick, DC, Marsh, JL, Augat, P, von Rechenberg, B, Lesser, M, Madey, SM [Effects of Construct Stiffness on Healing of Fractures Stabilized With Locking Plates](#)

Accomplishments: 4 Implants created by me and my team and approved by US Food and Drug Administration currently being used in national and international trauma centers.

- [K101696](#) MOTIONLOC SCREW FOR NCB POLYAXIAL LOCKING PLATING SYSTEM (5.0 MM Titanium)
- [K123918](#) MOTIONLOC SCREW FOR NCB POLYAXIAL LOCKING PLATING SYSTEM (4.0 MM Titanium)
- [K130810](#) ZIMMER MOTIONLOC SCREW PERIARTICULAR LOCKING PLATE SYSTEM (4.5.MM SS)
- [K130810](#) ZIMMER MOTIONLOC SCREW PERIARTICULAR LOCKING PLATE SYSTEM (3.5.MM SS)

REFERENCES - Available upon request