Josef Doornink

Highly skilled, collaborative SRE with exceptional strength in problem-solving, developing and implementing system monitoring, and creating and configuring management tools. Seeking an exciting position to apply my skills for Cloud-based software offerings.

Portland, OR

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EXPERIENCE

Lead SRE, Trimble/Viewpoint — Portland OR

JAN 2022 - PRESENT

- Architect, create, implement and monitor high-scale, distributed systems using public cloud infrastructure aimed at maximizing efficiencies across the full software life cycle.
- Provide presentations and documentation to shareholders that explain infrastructure in a simplistic nature for cross-domain discussions.
- Create seamless delivery across multiple geographies using Kubernetes, Docker, Terraform, New Relic and public cloud offerings.
- Ensure scalability, reliability, monitoring and availability of existing and future systems and pipelines.
- Troubleshoot and monitor production level time-sensitive issues.
- Innovate unique CLI tooling to improve efficiencies of existing processes using GoLang and Cobra.
- Provide expert guidance on best-practices, risk assessment, impact to distributed systems and kubernetes security.
- Keep up to speed on technologies by studying latest offerings from cloud providers and passing certifications to bring and share expertise with my team and company.
- Mentor software developers to attain operations skills and assume responsibilities within the appropriate domain.

Software Developer II-DevOps, Viewpoint — Portland OR

DEC 2019 - JAN 2022

- Lead DevOps engineer responsible for building infrastructure and integrating full CI/CD pipeline to deliver new microservices for an integrated SAAS offering using GitHub actions and Azure.
- Sole DevOps engineer responsible to work with teams of product managers, developers and architects to transfer on-premise solutions to Cloud SAAS offerings using Azure Portal and Azure DevOps
- Responsible for monitoring cloud resources and implementing cost saving measures resulting in savings of over $250K annually.

Software Developer I, Viewpoint — Portland OR

APR 2018 - NOV 2019

- Worked with 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.

TECHNOLOGIES/LANGUAGES

Azure, Kubernetes, Terraform, Docker, GIT, GITHUB, C#, .Net Core, SQL, CSS, YAML, HTML, Azure DevOps, New Relic, SQL, Agile, Powershell, Helm, Go

CERTIFICATIONS

CNCF-CERTIFIED KUBERNETES SECURITY SPECIALIST (CKS)

Linux Foundation
March 2024
LF-ghgugl1a0s

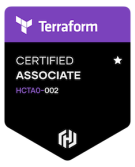
CNCF-CERTIFIED KUBERNETES ADMINISTRATOR (CKA)

Linux Foundation
June 2021
LF-w50bpv1lpd

MICROSOFT CERTIFIED AZURE DEVELOPER ASSOCIATE

Microsoft
August 2019
H210-5692

CERTIFIED TERRAFORM ASSOCIATE



HashiCorp
July 2022
HCTAO-002

EDUCATION

UC, Davis
Master of Science, 2006

CSU, Chico
Bachelor of Science, 2003
Mechanical Engineering

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).
- Create, develop, file and deliver test results of in-house designed implant resulting in 2 x US patents (US9314286 B2 and US8740955 B2).
- Recipient *2010 American Academy of Orthopaedic Surgeons Award of Excellence* for in-house implant design.
- Collaborate with multi-billion dollar orthopaedic implant manufacturer (Zimmer) to transition pilot data into industry disruptive technology resulting in revenue of greater than 5 million dollars annually (2013).
- Sole developer of custom software responsible for all in-house testing and implant development creating custom software using LabView 8.0
- Lead teams of research surgeons and students in the development of new and innovative orthopaedic implants and challenge the status-quo of an industry using proven and innovative principles and ideas.

Honorary Fellow, BG Unfallklinik— Murnau, Germany

June 2008 - Aug 2008

- Established protocols to govern the mechanical analysis of ovine tibiae in an international setting to measure the torsional strength and stiffness before and after healing determining the effectiveness of customized orthopaedic implants
- In charge of determining 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.

PROJECTS

Chief Technology Officer, Sexcellent — San Francisco CA

APR 2020 - PRESENT

– Provide technical guidance to engineers, designers and Doctors to create an educational app for reproductive-education geared toward teens on iOS.

PUBLICATIONS (SUBSET OF 11)

1. **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
2. **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
3. 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
4. Bottlang M, **Doornink J**, Lujan TJ, Fitzpatrick DC, Marsh JL, Augat P, von Rechenberg B, Lesser M and Madey SM; Effects of Construct Stiffness on Healing of Fractures Stabilized with Locking Plates. J Bone Joint Surg Am. 2010 Dec;92 Suppl 2:12-22
5. Michael Bottlang, PhD, Maren Lesser, DVM, Julia Koerber, MS, **Josef Doornink, MS**, Brigitte von Rechenberg, DVM, ECVS, Peter Augat, PhD, Daniel C. Fitzpatrick, MD, Steven M. Madey, MD, and J. Lawrence Marsh, MD Far Cortical Locking Can Improve Healing of Fractures Stabilized with Locking Plates J Bone Joint Surg Am. 2010 July
6. Michael Bottlang PhD, **Josef Doornink MS**, Daniel C. Fitzpatrick, MD, and Steven M. Madey MD Far Cortical Locking Can Reduce Stiffness of Locked Plating Constructs While Retaining Construct Strength J Bone Joint Surg Am. 2009 Aug
7. Bottlang, Michael PhD, **Doornink, Josef MS**, Byrd, Gregory D. MD, Fitzpatrick, Daniel C. MD, Madey, Steven M. MD A Nonlocking End Screw Can Decrease Fracture Risk Caused by Locked Plating in the Osteoporotic Diaphysis J Bone Joint Surg Am. 2009 March

PATENTS, AWARDS, 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