Daniel Hamelberg

Personal Information

Languages: Dutch, English, German
Birth Date: 15-08-1981
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Contact Details

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Summary

Passionate technologist with a proven track record of transforming cloud environments, championing DevOps practices, safeguarding systems, and leveraging AI innovations since their early stages. Skilled in driving cost-saving optimizations, delivering secure CI/CD pipelines (SOC2 compliance), and streamlining complex operations. Adept in Cloud Computing, Kubernetes, GitOps, Python, Go, IaC, and advanced AI/ML (PyTorch, TensorFlow, BERT, HuggingFace, OpenAI Assistants, prompt engineering). Experienced in Site Reliability Engineering (SRE) principles, with expertise in implementing and maintaining high-performance and scalable systems. Interested in AI Enablement and (Technical) Product Management, with a focus on leveraging AI technologies to drive innovation and deliver impactful solutions.

Experience

Site Reliability Engineer (Continuous Delivery)

Company: Mambu
Amsterdam
Nov 2021 - Sep 2023
1 year 11 months

- Cloud & DevOps Transformation: Led the implementation of GitOps-based CD at Mambu, achieving $200K in annual cost savings through AWS Karpenter optimization, autoscaling, and pipeline enhancements.
- Security & Automation Champion: Conceptualized and integrated security measures (Argo CD, Okta, OIDC) to elevate CI/CD security and ensure SOC2 compliance across multiple cloud environments (EKS, AKS, GKE).
- Process Optimization Leader: Developed and championed human-free, automated release processes, streamlining internal tooling and establishing robust deployment support systems.
- Technical Expertise: Harnessed a diverse tech stack (GitLab, Kubernetes, Python, Go, Java) to enhance development, deployment, operational efficiency, and software quality.

Site Reliability Engineer, Lead Deployment Engineer

Company: Ohpen
Amsterdam
Mar 2019 - Jul 2021
2 years 5 months

- Project Accomplishments: Led deployments and maintained release cycle of a high-secure, AWS-native banking platform for major clients, including De Volksbank, Robeco, and Nationale Nederlanden. Implemented operational efficiency initiatives using automation tools (Python, Shell scripting, etc.) to reduce incidents and achieve a 65% efficiency gain in 2020. Led the successful migration and alignment of state monitoring systems within the infrastructure and software development lifecycle. Ownership of monthly Trend Analysis (slope) & Reporting of release deployment KPIs to the board.
- Technical Expertise: Designed and deployed complex, distributed systems on AWS, leveraging CloudFormation and Terraform for secure, compliant infrastructure. Built and maintained robust CI/CD pipelines (Jenkins, Bitbucket) and containerization strategies (Docker). Mastered infrastructure-as-code (Chef Automate, Terraform) to ensure scalable, version-controlled environments.

Business Owner and Senior Solutions Architect

Company: Management Dale
Randstad
Oct 2016 - Mar 2019
2 years 6 months

- Process Optimization: Streamlined operational procedures by implementing a lean-agile test strategy, issue tracking, and stakeholder prioritization, resulting in a 30% workload reduction.
- Innovative Problem Solving: Drove process improvement initiatives, identifying risk areas and independently designing and developing web applications to automate tasks within pharmaceutical and real estate industries.
- Technical Leadership & Collaboration: Collaborated with development teams to coordinate upgrades and support activities for automation systems, ensuring business continuity and software longevity.
- Project Management: Successfully managed over 10 small to mid-size programming projects, demonstrating in-depth technical knowledge and expertise in technical project management.

DevOps Engineer

Company: Utilize Business Solutions BV
Amersfoort
2016 - 2019
3 years

- Project Leadership & DevOps: Led cross-functional monitoring implementation in 2017, fostering DevOps collaboration. Proactive problem-solver driving .NET Core observability, cutting incident response times by 35%.
- Technical Optimization & Training: Streamlined technical processes to empower .NET developers in root-cause analysis (RCA). Expertise in performance monitoring and infrastructure optimization for complex systems.

Senior Solutions Architect, Software Engineer

Company: Aurobindo Benelux
Leiden, Amsterdam
Jun 2017 - Dec 2018
1 year 7 months

- Focus on Project Leadership & Innovation: Led successful web application development for major pharmaceutical client (Aurobindo, Apotex). Designed innovative solution, attracting an acquisition offer. Identified and executed process improvements with measurable results.
- Technical Expertise & Operational Efficiency: Built scalable systems, reducing manual effort by 70%. Championed automation and issue tracking, achieving perfect user experience ratings. Utilized technical skills to design solutions for complex business processes.

Business Owner, Senior Solutions Architect

Company: iFresco
Amsterdam
Jan 2012 - Sep 2018
6 years 9 months

- Proposal Success: Authored 33 professional services proposals with a 99.1% approval rate, securing high-value projects for clients like CBRE Global Investors, VBO Makelaar, and SOS Kinderdorpen.
- Cloud Migration Leader: Managed 40+ IT migration projects to AWS, completing all stages on time and under budget while prioritizing data integrity.

Senior Solutions Architect, Software Engineer

Company: Huurcheck & Verkoopcheck
Utrecht
Jan 2016 - Mar 2018
2 years 3 months

- Spearheaded the creation of a comprehensive Rental Agreement Builder & eSignature application, reaching 150+ daily users and 1100+ legally binding agreements in its first year.
- Focused on automation, UX, and regulatory compliance (UETA/ESIGN/GDPR), simplifying the agreement process for tenants and landlords.
- Led software development lifecycle, collaborated with 3+ teams for successful integration, and maintained 100% testing accuracy.
- Managed stakeholder interactions, effectively communicating technical concepts to ensure project alignment and transparency.

Business Owner, Software Developer

Company: Whysr
Amsterdam
Jan 2015 - Sep 2017
2 years 9 months

- Project Leadership: Developed Whysr, a SaaS marketing tracking tool with REST API architecture to improve marketing ROI analysis.
- Feature & Tools Development: Created core features for automating multi-channel campaign tracking, dynamic UTM generation, and a URL creation Chrome add-on.
- Technical Expertise: Proficiency in Laravel, JavaScript, and UTM tracking techniques for a robust marketing analytics solution.

System Architect, Senior System Engineer

Company: SOMO (Stichting Onderzoek Multinationale Ondernemingen)
Amsterdam
Jan 2008 - Jun 2017
9 years 9 months

- Systems Architecture & Reliability: Achieved 99.8% system availability, resolving issues across network infrastructure, systems, and applications.
- Infrastructure Transformation: Overhauled the infrastructure and virtualization in 2015, earning promotion to Systems Architect.
- Performance Optimization: Enhanced Pluriform application delivery, increasing performance by 320% and outperforming the original software vendor.
- Self-Driven Problem-Solver: Showcased effective prioritization, time management, and independent working capability.

System Engineer

Company: Both ENDS Foundation, Wemos Foundation
Amsterdam
Feb 2008 - May 2012
4 years 4 months

System Engineer

Company: Divider B.V.
Rotterdam, Leiden
Aug 2004 - Jan 2008
3 year 7 months

- Infrastructure & Security Specialist: Built and maintained Linux/Windows infrastructure, Remote Desktop and Oracle SGD.
- Network Security: Managed Juniper Netscreen firewalls in high-availability setups.
- Client-Facing Technologist: Delivered on-site infrastructure support, dealing with connectivity, VPNs, and data migration.
- International Deployment Experience: Deployed Oracle SGD solutions in the Netherlands and the UK.

International Sales Consultant

Company: Visma
Amsterdam
Sep 2000 - Jun 2004
3 years 10 months

- Sales consultant for VAR partners in the UK and Germany.
- Delivered sales seminars internationally.
- Represented the company at Hannover CeBIT trade show.

Education

Bachelor in Project Management

School: NCOI Opleidingen Sep 2012 - Sep 2013

Data Science Fundamentals CoP in Data Science Summer School

School: Hertie School August - August, 2023

Skills

- System Performance
- Cloud Computing
- Linux
- Python
- Go

- Analytical Skills
- Kubernetes
- Continuous Integration and Continuous Delivery (CI/CD)
- Infrastructure as code (IaC)
- Artificial Intelligence (AI)

Awards

AI Document Processing with Neural Nets Award

Company: Ohpen Dec 2020

- Awarded top honors in Ohpen's AI Document Processing contest for exceptional optimization of a neural network for financial document extraction.
- Tuning hyperparameters for enhanced performance.
- Data-driven iterations and validation-set monitoring to prevent overfitting.

Leisure

- Hiking
- Gemology
- Home Improvement
- Traveling
- AI/ML Research
- Prompt Engineering