Amer Jazaerli
Senior Site Reliability Engineer
Berlin

hi@amer.sh

SUMMARY

I help teams adopt DevOps culture, embrace automation and improve development workflow. Rescuing failing projects by breaking down silos, ensuring collaboration, bringing the business goals into focus, and minimizing the overhead of development processes.

Throughout my 15 years long career, I worked as a backend developer, ML researcher, and SRE/Ops.

WORK EXPERIENCE

Jun 2021 – Present

Senior Site Reliability Engineer – **Self-employed**
Training and mentoring my clients' tech teams on adapting immutable infrastructure, Kubernetes, GitOps, and Infrastructure as Code (IaC).
Designing and implementing:
- The infrastructure architecture in Terraform.
- The CI/CD pipeline.
- The continuous deployment system.

Tech Stack: Kubernetes, Monitoring (Prometheus), Terraform, GitOps, Azure, GCP, Docker, Multi-cloud, CI/CD, immutable infrastructure, Flux CD, Tekton, Helm, Calico, Kustomize.

Sep 2020 – Jun 2021

Senior Site Reliability Engineer at Nextcoder (Berlin, Germany)
Building and maintaining multiple production infrastructures, running on multiple public cloud providers.
Training and mentoring team members and our clients' tech teams on adapting immutable infrastructure, Kubernetes, GitOps, and Infrastructure as Code (IaC).
Designing and implementing:
- The infrastructure architecture in Terraform.
- The CI/CD pipeline.
- The continuous deployment system.

Tech Stack: Kubernetes, Monitoring (Prometheus), Terraform, GitOps, Azure, GCP, Docker, Multi-cloud, CI/CD, immutable infrastructure, Flux CD.

Sep 2018 – Aug 2020   **Data Scientist at Charité** (Berlin, Germany)
Institute for Imaging Science and Computational Modelling in Cardiovascular Medicine
Designing and building a machine learning model to automatically annotate the mitral valve in 3D+t transesophageal echocardiography (TEE) sequences. The system supports surgeons' planning and decision-making during the minimally invasive mitral valve repair procedures.

Jul 2016 – Sep 2018   **Founder | Senior Software Engineer at ThinkDeep** (Berlin, Germany)
Interviewing, hiring, and training developers.
Managing multiple projects.
Back-end development.
Analyzing and mining clients' data to identify predictable patterns.
Designing and creating data reports.

Jul 2014 – Nov 2014   **Senior Back End Engineer at RetentionGrid GmbH** (Berlin, Germany)
Designing and implementing system components and backend RESTful APIs with scalability in mind, utilizing Scrum, Test-Driven Development, Continuous Integration, and Ruby on Rails. Redesigning and implementing automated cloud-based infrastructure using Chef.

Nov 2012 – June 2014   **Senior Back End Developer at Pipe Dream Technologies GmbH** (Berlin, Germany)
Designing and implementing system components and backend RESTful APIs with scalability in mind, utilizing Scrum, Test-Driven Development, Continuous Integration, Ruby, and Go language.

Mar 2012 – Nov 2012   **Senior Software Developer Team Lead at RamJet Aviation Support** (Ras al-Khaimah, United Arab Emirates)
Managing, training & mentoring my team to write high-quality code.
Utilizing Ruby on Rails, Test-Driven Development, Continuous Integration, and Incremental Design.

Sep 2010 – Jan 2011   **Site Reliability Engineer at iNet Internet Service Provider** (Damascus, Syria)
Capacity planning, availability, monitoring, and maintaining caching proxies, firewalls, web, DNS, NTP, and database servers in iNet's data center, training new engineers.

Nov 2009 – Dec 2009   **Software Engineer at Smart Surface SDN. BHD** (Cyberjaya, Malaysia)
(two-months project)
Developing a driver for a multi-touch screen using C++.

Oct 2008 – Aug 2009   **Back-end Developer at the Central Bank of Syria European Union Banking Sector Support Program II** (Damascus, Syria)
Application architect & back-end developer for a money laundering detection system, using Ruby.
Team building, hiring, training, and managing developers.

Mar 2007 – Mar 2009   **Site Reliability Engineer at iNet Internet Service Provider** (Damascus, Syria)
I was responsible for the availability, performance, monitoring, backup

system, and maintaining caching proxies, web, DNS, NTP, database servers, emergency response, and training new engineers.

Feb 2006 – Sep 2006 **Technical Support at Syrian Virtual University** (Damascus, Syria)
Technical assistance to SVU employees, tutors, and students, in addition to tasks in system administration and hardware maintenance.

HIGHER EDUCATION

Oct 2012 **Degree of Bachelor of Science (BSc H) in Computing**, University of Greenwich, UK
Grade: Second Class Honors (1st Division)
Title of final project: "An Investigation into Applying Test-Driven Development Engineering Practice to Build a RESTful Web Service for Loyalty Program as an Example"

Sep 2009 – Oct 2012 **BSc H program in Computing at the University of Greenwich**, London, UK

Aug 2009 **BTEC Professional Diploma in Computing**, Syrian Virtual University, Damascus, Syria / Edexcel Institute, London, UK

Sep 2008 – Aug 2009 **BTEC program in Computing** at Syrian Virtual University, Damascus, Syria / Edexcel Institute, London, UK

Sep 2006 – Feb 2008 **B.Eng. program in Information System Engineering** at Syrian Virtual University, Damascus, Syria

Nov 2005 **BTEC Higher National Diploma in Computing and Business Applications**, Syrian Virtual University, Damascus, Syria / Edexcel Institute, London, UK

Oct 2003 – Nov 2005 **BTEC program in Computing and Business Applications**, Syrian Virtual University, Damascus, Syria / Edexcel Institute, London, UK

PUBLICATIONS

Oct 2019 **Combining position-based dynamics and gradient vector flow for 4D mitral valve segmentation in TEE sequences**, International Journal of Computer Assisted Radiology and Surgery

SKILLS AND EXPERTISE

AWS, Agile Methodologies, **Azure** , **Bash**, Continuous Delivery, **Continuous Deployment**, Continuous Integration, Data Analysis, DevOps, Docker, Flux CD, **GCP**, Git, GitOps, **Go**, **Infrastructure as code**, Java, Julia, **Kubernetes**, Linux, Machine Learning, **Mentoring**, Project Management, PyTorch, **Python**, RSpec, **Ruby**, Scrum, Software Architecture, Software Deployment, **Terraform**, **Test Driven Development**, Training, Web Development.