



# Chris Stasiak

Chief Technology Officer (CTO), Co-founder & Partner

## Info

### Address

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08015, Spain

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### Date / Place of birth

26.08.1982  
Poland

### Nationality

Polish

### Driving license

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## Links

[LinkedIn](#)

[GitHub](#)

[Blog](#)

## Skills

### Fast Learner



### Leadership and Teamwork



### Creative Thinking



### Highly Motivated



### LeSS, Scrum, Agile, Kanban



### Global & Distributed & Domain Driver Architecture, High Availability Systems



### PHP5+, Golang, Node.js, Python, Ruby, Bash, Terraform, Puppet



### AI, Machine Learning, Data Science, Tensorflow, Torch



### DevOps & Sysadmin, Kubernetes, Docker, Ansible



## Profile

Visionary and goal-oriented executive, researcher, software engineer and system architect with over 15 years of commercial experience for European, US and Chinese market. Mainly focused on unique and large scale platforms under agile, kanban or scrum development. Initiated and enforced strict budget controlling tools addressing business needs and supporting development. Adept at crisis management, trouble-shooting and problem-solving.

## Employment History

### CTO & Partner, Vrenetic, Inc.

Apr 2017 — Present    Los Angeles, London, Warsaw, Kiev, Beijing

Bringing the next generation of ultra-high quality 360&VR live streaming and low-latency communication on consumer mobile devices and enabling the VR ready social interactions using the VR publishing tools for user generated content. Transforming challenging vision and ideas into a self-breathing ecosystem. Focused on customer and b2b oriented products

- Hiring from scratch & managing 40+ people team in California/Europe (LeSS/Scrum)
- Research for next generation of VR/AR/MR and social media
- Recommendations and support for CEO and stakeholders
- Vision definition, clarification and roadmap planning & controlling
- Customer and b2b products definition, schedule, roadmap and sing off
- Budget estimations, planning, controlling and reporting to stakeholders.
- Business model definition, execution, adjustments and controlling
- Startup culture and best practices overview
- Coordination of product managers and product owners
- Coordination of project managers
- Technology roadmap, planning, execution and controlling
- Coordination of platform and media Solution Architects, DevOps and SysAdmins
- Long term and large scale operations roadmap, optimisation and migrations
- Security audits and controlling
- Best practices roadmap, planning and controlling
- Occasionally leading low level teams of various expertise
- Source code quality reviews and best practices audits
- Source code and products roadmap coverage review and orchestration
- Making sure the business needs are met on design, development and operation level
- Occasionally coding in puppet, ruby, cpp, js, php and performing devops tasks!
- Overview and management of day-to-day delivery risks
- Managing cooperation with outsourcing development organizations. Lead for 3rd party project managers and solution architects.

### Technical leadership for Vrenetic's stack

- JAVA, Node.JS, C++, Unity3D, Go, Kotlin, Swift, Terraform, Ruby, Puppet, Python
- DB: MongoDB, Object Storage (S3), Redis, TusD, RabbitMQ, PubNub, Global CDN
- AI/ML: Tensorflow, Keras + TPU
- CI/CD: multi-region cluster of Jenkins Master/Slaves; Travis; BitRise
- BI: Tableau Ecosystem; StitchData with RedShift; Matillion ETL
- DC: Softlayer, AWS, Hetzner
- Monitoring: Grafana, Karma, Prometheus,, PagerDuty, AlertManager
- Encryption: BlackBox, GPG, Keybase, Loggly
- Infra: Kubernetes, Traefik, Docker, Terraform, Ansible, Nexus
- Standards: OAuth, OpenAPI/Swagger, ProtoBuf/ZMQ, REST
- Protocols: HLS/TCP, RTP/UDP, RTCP/UDP; h.264/h.265/Opus; WebRTC; NVENC
- Media: GStreamer Framework, FFmpeg, Spring, Angular, iOS API, Android API

JIRA, Confluence, Slack



CI/CD, Automated Testing,  
Jenkins, Travis



Business Intelligence, Tableau,  
StitchData



Debian & Ubuntu & OSX



Bare Metal & Virtualization &  
Containerization



Network Protocols, HLS, RTP,  
RTCP, WebRTC



Media Processing, FFmpeg,  
Gstreamer



VR, AR, MR, 360,  
Monoscopic, Stereoscopic,  
Volumetric media



## Languages

Polish



English




## Hobbies

Travelling, Skiing; Robotics and  
Automatics, Neural Networks,  
Artificial Intelligence


- VR/360: GPU/Media real time 360  
Transcoding/Reprojections/Transformations/Effects; Janus WebRTC; UDP Proxy
- Architecture: micro-services oriented; full OOP, TDD, E2E, MVC; abstracted to  
backend (business logic layer, media engine layer, AI layer), middleware, frontend with  
SDKs, libs, plugins and clients
- Patterns: high availability, scalability with multi-region zero downtime deployment and  
data residency (GDPR) support; global media replication

### DevOps Architect & Team Lead, Researcher, Cargomedia AG (4 years)

Mar 2013 – Mar 2017  Basel


- Responsible for global automation, scalability, security, monitoring of applications &  
infrastructure deployment. Large scale deployment with 20+ million registered users  
and 30+ million monthly unique active users. Constantly researching, proving concepts  
and introducing new solutions. Leading teams.
- Expertise in high performance, clean OO PHP, Node.js, Puppet, Ruby, Go, JS, Shell.  
Agile, Kanban. Full TDD and BDD. Focused on full DevOps workflow with AWS,  
Softlayer and Hetzner solutions.

### Senior Software Engineer & Researcher, Newicon, Ltd (1 year)

Jun 2012 – Mar 2013  Bristol

- Researching, designing and implementing iOS app (Objective-C) for  
image processing, objects recognition and machine learning - more at  
<https://newicon.net/case-study-airbus-app>
- Researching, designing and implementing web-based systems and applications  
(PHP, JS, Yii, Backbone.js, MongoDB, Redis, Node.js, Sockets etc.) with real time  
communication
- Researching, designing and implementing Client-Server real-time messaging system:  
multiclient/multichannel architecture. Support for user authorisation, activity history,  
users on-line, auto-login, storing undelivered messages, receipts etc. (Node.js,  
Socket.io; Redis, MongoDB; Curl, Websockets, API; PHP/JavaScript etc.). Responsible  
for DevOps, scalability and GEO architecture.

### Chief Technology Officer, KWG S.A. (PBG Group) (4 years)


Aug 2008 – Feb 2012  Szczecin

Responsible for planning of the IT strategy and cost reduction. Acceptance of IT documents  
and costs using company ERP system. Collaborating with all departments to improve the  
information technologies and enhance communication.

- auditing, reporting to the board
- planning and controlling annual budgets
- managing systems of data security
- supervising workflow of IT documents

## Education

### Technical University of Poznan, MSc

Sep 2005 – Sep 2007  Poznań

### Technical University of Poznan, BSc

Sep 2002 – Sep 2005  Poznań

## References

Latest references only upon request

<https://blog.kris-lab.com/references/>