

Alex Mavrogiannis

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alexmavr

Experience

Coinbase Global, Inc

Senior Software Engineer

Senior Software Engineer in Coinbase Custody

San Francisco, CA

May 2019 – Present

Docker, Inc

Senior Software Engineer

Technical Lead, Container Orchestration Group

San Francisco, CA

Feb 2016 – May 2019

- Conceptualized, designed and implemented Docker's cluster federation strategy for Multi-Cloud and Edge workloads.
- Prototyped, designed and implemented the integration of Kubernetes into the Docker Enterprise Platform.
- Day 1 Keynote speaker at DockerCon US 2018 and DockerCon EU 2017.
- Designed and implemented key features of Docker Enterprise: Authentication, Role-Based Access Control, security hardening, system health and lifecycle management, multi-orchestration, Swarm integration, resource constraints, certificate management.

Google, Inc

Software Engineering Intern

Intern at the Borg team, working on Kubernetes and resource monitoring components of Google Cloud Platform.

Mountain View, CA

May 2015 – August 2015

- Designed and implemented the Kubernetes Heapster metrics aggregation pipeline and Kubedash, a monitoring and notification dashboard for Kubernetes.
- Presented the Kubernetes metrics pipeline at LinuxCon Seattle 2015.

Carnegie Mellon University

Graduate Research Assistant

Designed and developed a multi-user collaboration plugin based on Git for VisTrails, a scientific workflow design tool. The project was supervised by Prof. Jia Zhang, sponsored by the NSF and consumed by NASA Earth Science.

Moffett Field, CA

Sept 2014 – Dec 2015

Education

Carnegie Mellon University

Master of Science, Software Engineering

Sept 2014 – Dec 2015

National Technical University of Athens

Diploma in Electrical and Computer Engineering

Thesis: On the Dependability of Transient Neuron Simulations

Nov 2009 – Aug 2014

Publications

Runtime Interval Optimization and Dependable Performance for Application-Level Checkpointing

Kokolis, A., Mavrogiannis, A., Rodopoulos, D., Strydis, C., Soudris, D.

Design, Automation and Test in Europe Conference and Exhibition 2016

Technical Skills

Programming: Go, Python, C/C++, Javascript, Java, Bash, Matlab, Haskell, OCaml, Prolog

Tools/Frameworks: Docker, Kubernetes, Git, Hadoop, Wireshark, Flex, Bison, AWS, GCE, Azure, LLVM, Django, Flask, Node.js, Angular.js, d3.js, Undertow, OpenMP, Qt

Markup/Styling: HTML, CSS, \LaTeX

Storage: etcd, boltdb, MySQL, SQLite, RethinkDB

Operating Systems: Linux, Unix, Windows

Networking: TCP/IP, HTTP, DNS