

Gonçalo Pestana

gpestana.com
g6pestana@gmail.com | +358 442 387 316

EDUCATION

AALTO UNIVERSITY

MENG IN COMPUTER SCIENCE

2012 - 2016 | Helsinki, FI

Cum. GPA: 3.8/5

LISBON TECHNICAL UNI.

BS IN NETWORKS ENGINEERING

2008 - 2012 | Lisbon, PT

Cum. GPA: 16.2/20 (top2 in class)

LINKS

Github:// [gpestana](#)

NPM:// [gpestana](#)

LinkedIn:// [Gonçalo Pestana](#)

Twitter:// [@gpestana](#)

WWW:// [gpestana.com](#)

SKILLS

PROGRAMMING

Node.js • Javascript • Python • NoSQL
Docker • Amazon AWS • Elasticsearch
RabbitMQ • React.js • Linux • git
ELK stack • HTTP and TCP/IP stack

OTHERS

Security • Microservices • Work in distributed teams • Communication with technical and non-technical stakeholders
Scrum

INTERESTS

Distributed Systems • Software architecture • InfoSec • Open source
Rock climbing

EXPERIENCE

F-SECURE | SOFTWARE ENGINEER

Feb 2016 - Present | Helsinki, FI

- Part of the backend team which built and maintain a data pipeline and platform for enriching and storing security data from thousands of endpoints. The data pipeline was built with dozens of microservices and handled TBs of data per day, with potential for scaling up more.
- **Responsibilities:** Software development; Systems architecture; Devops and troubleshooting of production systems; Serving several teams/clients which were dependent on the backend.
- **Technologies:** Node.js, Python, Docker, ELK stack(Elasticsearch, Logstash, Kibana), Influxdb, Amazon Web Services (AWS), RabbitMQ

SOFTWARE CONSULTANCY | SOFTWARE ENGINEER AND WEB DEVELOPER

August 2013 – | Helsinki, FI and Remote

- Worked and collaborated on projects of software engineering, service architecture, web development and devops.
- **Companies:** Eduze ([eduze.com](#)), Catchbox ([getcatchbox.com](#)), C. Sao Tomas ([colegiodestomas.com](#)), NorthImpact ([northimpact.com](#))

FIVESTARS | SOFTWARE ENGINEER CO-OP

May 2015 - August 2015 | San Francisco, CA

- Started company-wide analytics pipeline. The data was gathered from multiple data sources, parsed and channeled to multiple consumers. Frontend to display data a compelling way to different teams.
- **Technologies:** Python, InfluxDB, ELKstack (ElasticSearch, Logstash, Kibana), Grafana, statsd and Angular.js.

CERN - THE EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH | SOFTWARE ENGINEER & RESEARCH INTERN

March 2013 – May 2014 | Helsinki, FI and Geneve, CH

- Conducted research on how heterogeneous hardware can improve energy efficiency of scientific computing at CERN.
- Published part of the work on the ACAT 2014 conference journal.
- **Technologies:** Python, Intel RAPL, TI231 chip, ARMv7 and ARMv9 archs.

RESEARCH

CERN | SOFTWARE ENGINEER & RESEARCH INTERN

March 2013 – May 2014 | Helsinki, FI and Geneve, CH

Techniques and tools for measuring energy efficiency of scientific software applications. Published at the *16th International workshop on Advanced Computing and Analysis Techniques in physics research (ACAT2014)*

AALTO UNIVERSITY | RESEARCH ASSISTANT

June 2013 – August 2013 | Helsinki, FI

Test and implementation of recently published mathematical scheduling algorithm for sensor networks. Technologies: Python, advanced data structures and algorithms.