Patrick Vogel

Curriculum Vitae

Golfslag 125
9732MG Groningen
The Netherlands
✆ *+31 6 57 38 37 38*
✉ *patrickvogel@live.nl*
⎙ *github.com/FlyingBird95*
14-10-1995

Education

2017–2019	**Master Computing Science**, *University of Groningen*, Groningen.
	track: Software Engineering and Distributed Systems
2014–2017	**Bachelor Computing Science**, *University of Groningen*, Groningen.
2008–2014	**VWO**, *Kamerlingh Onnes College*, Groningen.

Master thesis

Title	*Monitoring Cost and Waste in Cloud Computing*
Supervisors	Dr. V. Andrikopoulos, prof. dr. A. Lazovik

Research Internship

Title	*Combining Execution Paths of Multiple Requests in Flask Monitoring Dashboard*
Supervisor	Dr. M.F. Lungu
Final grade	9.5 / 10

Bachelor thesis

Title	*A Dashboard for Automatic Monitoring Python Web Services*
Supervisors	Dr. M.F. Lungu, dr. V. Andrikopoulos
Description	A Monitoring Tool for the evolving performance of a Python Flask application
Final grade	8.5 / 10

Experience

2018	**Teaching Assistant**, *University of Groningen*, Groningen.
	Teaching assistant for the course Software Engineering for a period of a full semester.
2015	**Teaching Assistant**, *University of Groningen*, Groningen.
	Teaching assistant for the course Imperative Programming for a period of a half semester.

Field related jobs

2019 - 2022 Backend Software engineer at Paylogic B.V. Working with the following technologies: Python, Flask, SQLAlchemy, Django and Celery.

Open Source Projects

Flask Monitoring Dashboard — My bachelor thesis project is publicly available on Github. Since it launched in 2017, it grew in popularity, with over 300,000 downloads and over 360 Github stars as of December 29, 2021. I'm still the main developer of this repository, although several other students and developers contributed to this. Github repo: `https://github.com/flask-dashboard/Flask-MonitoringDashboard`.

OpenAPI-Builder — A Flask extension for automatically adding OpenAPI documentation to your Flask app. I started this open source project in November 2021, and has 3.000 downloads as of December 29, 2021. Github repo: `https://github.com/FlyingBird95/openapi-builder`.

Programming Languages

Java	Expert	*Also expert on Scala*
Python	Expert	
Web-development	Expert	*Expert on HTML, CSS, JQuery, Javascript, Typescript and SQL.*
C	Intermediate	*Learned this in 2014, but I don't use it actively anymore.*
C#/C++	Intermediate	

Database experience

SQL	Expert	*Expert on SQL, MySQl, PostgreSQL and SQLite.*
NoSQL	Expert	*Expert on Cassandra, Prometheus and intermediate on MongoDB.*

Natural Languages

Dutch	Expert
English	Expert
German	Intermediate

Publications

Paper — *A Low-Effort Analytics Platform for Visualizing Evolving Flask-Based Python Web Services* – 2017 IEEE Working Conference on Software Visualization

Bachelor thesis — *A Dashboard for Automatic Monitoring Python Web Services* – 2017 http://fse.studenttheses.ub.rug.nl/15605/1/bsc-thesis3.pdf

Master thesis — *Computing the Costs and Waste in Cloud Computing Monitoring* – 2017 fse.studenttheses.ub.rug.nl/20735/1/ClassicThesis.pdf

Interests

Software Engineering	Led a team of 8 people on a Software Engineering task, for a period of half a year.
Software Architecture	Familiar with the concepts of designing software components.
Distributed Systems	Familiar with technologies like Docker, Message Queuing software, Cloud computing, Load balancing and Apache Spark.

References

Paper	`http://vissoft17.dcc.uchile.cl/program.html`
Personal site	`https://flyingbird95.github.io/patrick/`