

Patrick Vogel

Curriculum Vitae

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14-10-1995



Field related jobs

2019 - **Software engineer at Paylogic / Seetickets**, *Responsible for managing the ticketing system, developing new features, fixing bugs and guiding other software engineers. I worked every day in Python and was using libraries like Flask, SQLAlchemy, Django and Celery.*

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.

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 January 4, 2023. 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 January 4, 2023. 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://www.patrickvogel.nl/>