Spencer M. Fabricant

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SUMMARY

A highly knowledgeable software engineer who enjoys designing software architecture, with a background in bioinformatics. Strong experience in CI/CD infrastructure, bash, Python, and Java. Eager to learn more, and enjoys software architecture and algorithm design.

SKILLS

Languages & Software: C, C++, C#, Java, LaTeX, ASP.NET, Javascript, Python, django, git, docker, bamboo, bash

Operating Systems: Windows, Unix

WORK   EXPERIENCE

Pillar Biosciences (Framingham, MA, Jan 2019 - Dec 2022) Software Engineer

- Wrote and maintained large amounts of testing infrastructure. Testing was made to be scalable and increasingly configurable.
- Wrote and maintained Docker build infrastructure.
- Utilized custom scripting and APIs to expand the utility of Bamboo, past where it is intended to function. (Python and Bash)
- Logged tests and fixed bugs on FDA-approved product (Python)
- Occasional general scripting assistance for members of the lab team (Bash)
- Performed rollouts of softare on AWS.

Amadeus (Waltham, MA, 2018), Site Reliability Engineer

- Optimization of hotel rates management software, C++

Google Inc. (Cambridge, MA, 2016 to 2017), Site Reliability Engineer

- Worked on the backend of a system to automate the rollouts of software updates. (C++, python)
- Maintained and created metric-aggregating software.
- Received and used training in incident management and was a part of their travel/hotel's on-call rotation.

Escher Group, Ltd. (Boston, October 2014 to September 2016), Software Engineer

- Designed and implemented system management and monitoring toolkit for a distributed system of computers. (C#)
- Implemented software to facilitate software installation on a network of computers.
- Worked on Point of Sale software customization

Ayuda Media System (Montreal, Summer 2013), Software Development Intern

- Worked on stabilization of the Billboard Management System, a company-wide project catered to its clients.
- Merged a third-party partner's additions into the project.
- Became intimately familiar with Chrome's debugging tools
- Included work on the .NET platform, Windows Azure, functional programming in LINQ

Hatfull Labs at University of Pittsburgh (Summer, 2011), Lab Intern and Web Developer

- Associative webmaster for `http://phagesdb.org/`, a website owned by a laboratory at the University of Pittsburgh
- Managed extensive database of bacteriophage strands
- Created pages dedicated to data processing and graphing utilizing Javascript, DJANGO, Python, SQL, and the Google Maps API.
- See an example at `http://phagesdb.org/GPSmap/`

EDUCATION

Bachelor of Science,
McGill University   *Montreal, QC*
Bachelor of Science
Concentration: Joint Computer Science and Biology
Notable coursework: Computational Biology, Short-read sequence analysis, graphics in OpenGL, vision in OpenCV and Matlab, algorithm design

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Online PDF version: `http://SpencerFabricant.github.io/spencer-fabricant_resume.pdf`

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