William Bolton, PhD

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I am a full-stack engineer.

I'm a software engineer with 6 years of production experience building tools and programming across the development and infrastructure stack, including Rails, Go services and APIs, Javascript UIs, CI/CD pipelines, provisioning servers and deployments, and writing command line utilities.

In my current role at Comcast Cybersecurity, I write software that makes it easier for systems, infrastructure, and application engineers to do their work securely. I participate in every step of our work, including architecture, project management, design and planning, actual software development, building infrastructure, networking, and site reliability.

I'm now looking for a senior engineer role on a mature software team with interesting technical challenges and opportunities for ongoing growth, learning, and collaboration. My ideal role would balance deep work on complex systems with regular opportunities to mentor more junior engineers—both to support their technical growth, and to help them build the confidence, communication, and organizational skills they need to advance as software engineers. I am also looking for a thoughtful and kind work culture with an emphasis on empathetic product development. Technically speaking, I'm especially interested in deepening my expertise in technology beyond my primary work in Rails, particularly Golang development and modern Javascript frameworks.

Employment

Security Software Development Engineer,
Technology and Product Security – Tools and Automation, 2018–present
Comcast, Philadelphia PA

Platform Engineer, 2017–2018
CloudMine Inc., Philadelphia PA

Software Developer, 2015–2017
Neomind Labs, Philadelphia PA

Technologies (testing frameworks in parentheses)

Back-End / Scripting Languages
Ruby / Rails (rspec, capybara, selenium, minitest), Go (Ginko + Gomega, and go "testing"), Node.js including ES6 and Coffeescript (Jest and Mocha), Python (pytest, Mamba), Java

Data / Infrastructure / Misc.
Ansible, Terraform, Docker, docker-compose, Concourse CI/CD, Vault, Bash scripting, AWS (mostly compute, LBs, storage, etc.), HAProxy, NGINX, general Linux / Unix systems management and networking, MySQL and variants, MongoDB, Elasticsearch, general security best practices, Agile

Front-End Frameworks / Technologies
React and Redux (jest, enzyme), Material UI, jQuery, Bootstrap, Sass, HTML5 and CSS3

Education
New York Code + Design Academy, Philadelphia, 2015
Ph.D., English Literature, Arizona State University, 2012
B.A., English Literature, minor Medieval Studies, University of Oregon, 2004

Other Experience
I taught English literature, composition, and linguistics from 2006 to 2015 at Arizona State University, Franklin & Marshall College, La Salle University, and Holy Family University. I have published articles and presented numerous conference papers on Old English, Middle English, and medieval Latin literature and law.