David Bloss

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**PROFILE**

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Senior Software Engineer with over 9 years of experience across Platform, DevOps, and Software Engineering roles. Designer/builder of developer productivity tools, cloud infrastructure, and org-wide collaboration.

**SKILLS**

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* Go | Python | Bash | JavaScript | TypeScript | HCL | Lua | GraphQL | PostgreSQL | MySQL
* AWS | Docker | Kubernetes | Terraform | Github CI | Gitlab CI | FluxCD | Helm | DataDog
* Cloud Architecture | Distributed Systems | Alerting Systems | GitOps | Public Speaking

**EXPERIENCE**

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**Senior Software Engineer, Platform Team - OpsLevel** *Toronto, ON* **Jul 2023 - Jan 2025**

* Led Platform Team in upgrade/rewrite of Terraform provider by writing flagship Go code that served as a guide for junior devs; upgraded provider boosted customer adoption by 65% and Q2 sales by 30%.
* Performed 15 Kubernetes cluster upgrades while automating the process, reducing AWS EC2 costs by 15%.
* Built first AWS single-tenant via Terraform and Kubernetes, novel business offering shipped in 2 weeks.

**Software Engineer, Developer Productivity - dbt Labs** *Philadelphia, PA* **Nov 2022 - May 2023**

* Spearheaded deployment pipeline optimization effort by refactoring internal Github Action responsible for deploying an array of microservices; saving 10 minutes per deployment and 83% faster time-to-delivery.
* Engineered Go CLI program to standardize tool versioning, boosted productivity of 12+ product dev teams.
* Upgraded Github CI dependencies of 400+ repos in 48 hours, meeting the Node 12 end-of-support deadline.

**Software Engineer - Lawrence Livermore National Laboratory** *Livermore, CA*  **May 2018 - Nov 2022**

* Initiated lab-wide Python upgrades ahead of Python 2.7 end-of-life deadline by upgrading critical workflow programs, documenting the process, and delivering two technical talks to the lab's 100+ engineers/scientists.
* Developed a Python script to convert over 15 years of unstructured physics data into visualized metrics that compared compiler performance, these insights led to optimized simulations with runtimes reduced by 20%.

**Software Engineer - Workday** *Pleasanton, CA* **Jul 2015 - May 2018**

* Developed Drupal/MySQL script to migrate 2.5M database records during major web framework upgrade.
* Expedited PHPUnit test development via templating engine, generated code resulted in 30% faster releases.

**Technical Sergeant - US Air Force** *Travis AFB, CA* **Nov 2007 - Nov 2017**

* Served 4 years in Active Duty as a Missile Maintainer, 6 years in the USAF Reserve as Air Transportation

**EDUCATION**

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**California State University, East Bay** *Hayward, CA* **Jun 2015**

B.S. Computer Science and Applied Mathematics

**PROJECTS**

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**EasyEPR, iOS app Feb 2017 - Dec 2023**

* Created the de facto mobile app that helped U.S. Air Force members write career building promotion forms.