Erich Blume

Platform & Backend Engineer

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SUMMARY

Platform engineer. Coder first. I build CI/CD pipelines, internal developer tooling, and infrastructure-as-code so that engineering teams can own their software from commit to production. Fifteen years across backend development, SRE, and platform engineering.

EXPERIENCE

Senior Platform Engineer   2024-06 – Present
Worldpay for Platforms — Remote — *Payments*

- Pulumi (C#, Python), Terraform, CloudFormation, Serverless (TS/JS)
- GitHub Actions, Jenkins, ArgoCD
- Ansible, Bash, PHP, Packer
- Kubernetes (EKS), ECS, EC2
- VPC, Transit Gateway, Route53, Entra
- Datadog, Rootly, Jira
- Incident response coordination

Backend & DevOps Engineer   2022-08 – 2024-06
Independent Contractor — Remote — *Various*

- AWS CDK (Python), Pulumi, Terraform, CloudFormation
- AWS Organizations, Well-Architected Framework
- Chef Workstation, Ansible, Concourse, Packer
- Crystal, Ruby, SparkleFormation
- Postgres, MySQL, SQLite, MongoDB, Redis
- Performance profiling, database optimization

Senior Software Engineer   2020-02 – 2022-08
Coffee Meets Bagel — Remote — *Online Dating*

- Python, gunicorn, Django, Flask, SQLAlchemy
- AWS EKS (Kubernetes)
- ArgoCD, Kustomize
- Postgres
- Datadog APM, PagerDuty
- CI/CD pipeline development

Senior Backend Developer   2018-02 – 2018-12
Patreon — San Francisco, CA — *Creator Payments and Subscriptions*

- Flask, SQLAlchemy, Python
- Security and compliance engineering
- HackerOne bug bounty program

Software Engineer   2017-01 – 2018-02
Stripe — San Francisco, CA — *Online Payments*

- Ruby, Java
- Splunk
- FinCEN API
- Internal compliance and auditing tooling

Bioinformatics Engineer   2015-01 – 2016-12
Biotique Systems — Reno, NV — *Agrotech Software Consulting*

- Perl, C, C#, Python
- KML / GIS, drone sensor data
- Database reverse engineering

Web Developer   2013-06 – 2014-03
Eventbrite — San Francisco, CA — *Event Ticketing*

- Python, Django, RabbitMQ
- Performance optimization

Engineer   2012-09 – 2013-06
Hipmunk — San Francisco, CA — *Travel Booking*

- Python
- ZeroMQ, S3
- Mixpanel
- Fabric

Bioinformatics Engineer   2010-06 – 2012-10
Verinata Health — Redwood City, CA — *Medical Diagnostics*

- Python, R
- Linux, KVM (512-core compute cluster)
- Bowtie (genomic alignment)
- Patent: US9845552B2 — Set membership testers for aligning nucleic acid samples

OPEN SOURCE

SQLAlchemy   Contributor
sqlalchemy.org — *Python*

Contributed a bugfix for reflecting SQLite database column types, and other small fixes.

Homebrew   Contributor
brew.sh — *Ruby*

Contributed formula bugfixes and updates for the daemontools package.

VOLUNTEERING

Stanwood Camano Food Bank   Volunteer
stanwoodcamanofoodbank.org — Stanwood, WA

Helping Our Miniature Equines   Volunteer
helpingourminiequines.org — Stanwood, WA

DETAILS

Languages

Python, Bash, SQL, Ruby, Go, C#, C, Perl, Java, JavaScript, TypeScript, PHP, Crystal, R, Kustomize, LaTeX, YAML, JSON

Portfolio

docs.eblu.me — Documentation for a complete infrastructure-as-code homelab that self-hosts these docs alongside dozens of other services.