

# Pat M. Brent

## SITE RELIABILITY ENGINEER

### EMPLOYMENT:

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#### **Webflow, Inc., Remote**

*Site Reliability Engineer, 2021 – Present*

- Maintain, improve, standardize Kubernetes cluster architecture, DNS policies, documentation for web design and hosting product behind 0.6% of all websites (>1M customers)
- As Incident Commander, coordinate incident response and follow-up across teams
- Improve observability by reducing alarm noise, automating, streamlining SLIs
- Embedded SRE for data team providing support and training in best practices
- *Technologies:* Kubernetes, Docker, AWS, Pulumi, Terraform, Nginx, DataDog, TypeScript

#### **Capital One – Center for Machine Learning (C4ML), New York, NY**

*Senior Software Engineer, 2019 – 2021; Software Engineer 2017 – 2019*

- Build and maintain automated CI/CD pipelines as part of internal machine learning platform
- Automate custom AWS machine image creation, reducing ECS cluster auto-scaling time by ~75%
- Own security and compliance for legacy data science platform with 1000+ active users
- Drive SLA design and adoption for 60+ person infrastructure project team
- Demo Kubernetes platform for machine learning to 80+ internal conference attendees
- *Technologies:* Kubernetes, Docker, Jenkins, Terraform, Python, DataDog, AWS, Ansible

#### **Phosphorus, Inc., New York, NY**

*Software Engineer, 2016 – 2017*

- Lead External Database, HIPAA Compliance, Monthly Financial Reporting projects
- Design, implement, test, and deploy features for SaaS genetic lab management web portal
- Rapidly problem-solve user issues as part of weekly issue triage rotation
- *Technologies:* Scala, Java, PostgreSQL, AWS, Spring, Ruby on Rails, Wicket, Jenkins

#### **Recombine, Inc., New York, NY**

*Junior Software Engineer, 2016*

- Overhauled test result report generation logic and design to integrate with mail automation tools
- Improved event logging to increase web portal security and simplify audit querying
- Engineered workflow enhancements, saving users 30 min/day of bioinformatics QC time
- *Technologies:* Scala, Java, PostgreSQL, AWS, Ruby on Rails, Heroku, Wicket, JavaScript/Angular

### EDUCATION/CERTIFICATION:

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#### **Teachers College, Columbia University, New York, NY**

*Master of Arts in Mathematics Education with NYS Certification in Math Education*

#### **The University of Chicago, Chicago, IL**

*Bachelor of Arts in Mathematics with honors; Bachelor of Arts in Psychology*

### SIDE PROJECTS:

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Open-source appointment portal via GitHub ○ MongoDB-powered blog using Java drivers, Maven  
○ Social book review single-page app ○ Lightweight MVC Framework ○ Minefinder game

### VOLUNTEERING:

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○ Application Screener for Girls Who Code Summer Internship; Grace Hopper Celebration Scholarships  
○ LGBTQ+ Employee Group leadership team ○ Community-based math tutoring

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