

Dezmond Brooks

San Francisco

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Professional Experience

Brightside Health

San Francisco, CA

2022–2025

Software Engineer (Fullstack)

- Built internal tooling for patient intake and provider assignment workflows in collaboration with Operations.
- Served as On-Call Engineer for patient-facing apps and websites, monitoring uptime and resolving critical incidents during month-long rotations.
- Enhanced patient intake experiences using Ruby and React, supporting growth initiatives focused on member acquisition and funnel reliability.
- Identified and resolved flaky integration and unit tests, improving CI/CD reliability and reducing build failures.
- Built and configured A/B tests in Amplitude Experiments to support data-driven feature rollouts and conversion improvements.

Vineti, Inc.

San Francisco, CA

2021–2022

Associate Software Engineer (Backend Focus)

- Improved a message-based authorization service by using Kibana to identify slow endpoints and implement performance fixes.
- Collaborated cross-functionally with clear verbal communication to converge on root causes and align on solutions.
- Helped secure patient data in Elasticsearch by discovering and fixing untested edge cases and problematic application behavior.
- Introduced contract testing (e.g., PactFlow) to validate API expectations between services, improving deployment confidence and catching integration issues earlier.

Technical Projects

Stupi-PHI

2025–Present

PHI/PII Anonymization Tool

- Building a Python-based tool to detect and anonymize PHI/PII in structured and semi-structured datasets for safe development use.
- Designed a hybrid detection system combining regex rules with LLM-assisted analysis, emphasizing precision, extensibility, and configurable redaction workflows.

AI-Assisted Systems Research

2025

Independent Technical Research

- Conducted structured literature review using large language models to synthesize complex technical concepts across domains.
- Authored long-form technical papers emphasizing system modeling, abstraction, and iterative hypothesis refinement.
- Developed repeatable workflows for evaluating trade-offs and formalizing complex technical reasoning.

Education

Michigan State University

2016–2021

B.S. in Computer Engineering

Military Experience

United States Army

Fort Carson, CO

2012–2016

Infantry Team Leader

Technical Skills

Languages: Ruby, Python, Go, JavaScript

Frameworks: Ruby on Rails, React

Data & APIs: PostgreSQL, REST APIs, Microservices

Infrastructure: Docker, CI/CD, Git, Datadog