Justin Howard Bolden Barnowski

CONTACT
INFORMATION

Phone: (312) 690 - 9828
E-mail: jbarno54@gmail.com
Website: https://github.com/jbarno

EDUCATION

University of Michigan, Ann Arbor, MI   **Aug '10 - Dec '13**
B.S.E. Computer Science, Cum Laude

EMPLOYMENT   **Zipline International**, San Francisco, CA

Site Reliability Engineer   **April '22 - Feb '23**
- Designed internal authorization and authentication systems.
- Developed global visualizations of life saving drone delivery system.
- Led hardware level administration of new delivery sites around the world.
- Maintained CI/CD systems.
- Maintained 24/7 On-Call rotations.
- Database administration for end-user action tracking.
- Integrated network redundancy for lower-risk monitoring.

Neighborhoods.com, Chicago, IL

DevOps and Enterprise Services Manager   **Oct '21 - March '22**
- Remedied newly uncovered vulnerabilities in underlying open source software.
- Led war room sessions through numerous AWS outages.
- Developed reusable infrastructure as code for deploying Postgres clusters on AWS RDS.
- Led and completed the hiring process for multiple technical positions.
- Maintained internal authorization and authentication systems.
- Assisted in onboarding and offboarding of employees as needed.

DevOps Engineer   **Oct '20 - Oct '21**
- Deployed DataDog to Kubernetes clusters for enhanced service tracing and Real User Monitoring.
- Configured PagerDuty alerts to alert teammates of issues, including silencing/queuing of non-critical alerts during off-hours.
- Configured Pod Security Policies to secure containerized environments.
- Deployed Machine Learning models to benefit the business' bottom line.
- Utilized Packer and Ansible to update nodes running Kubernetes control plane components.
- Wrote a minimal Golang based network monitoring daemon to detect and mitigate known Linux kernel bugs.
- Extended existing Helm charts to ease containerized deployments.
- Developed an organizational strategy for utilizing Github Actions.
- Updated and secured legacy CI systems running on Jenkins.

DocuSign, Chicago, IL

Linux DevOps Engineer   **April '19 - Oct '20**
- Automated patching of Linux systems across multiple data centers.
- Augmented existing tools for the benefit of operators and developers.
- Uncovered and rectified numerous logic, configuration, and data flaws.
- Handled patching both physical and virtual infrastructure, containing data systems.
- Participated in FedRAMP audit interviews for renewal of SpringCM's status.

- Tools utilized: SaltStack, Gitlab, VMWare, Hashicorp's Consul and Vault.

University of Chicago, Center for Data Intensive Science, Chicago, IL

Lead QA Engineer Genomic Data Commons   **June '18 - March '19**
- Led operational readiness review meetings.
- Interfaced with external stakeholders the Ontario Institute of Cancer Research and National Institute of Health (NIH).
- Led a team of FTE SDETs and four student interns validating and automating validation of new features and regressions.
- Interviewed numerous DevOps and SDET candidates.
- Reviewed tens of thousands lines of code across multiple disciplines.
- Assisted with design and architecture development.
- Refactored code to increase maintainability.

Software Engineer in Test Genomic Data Commons   **June '17 - June '18**
- Productionized virtual test automation servers.
- Scheduled daily test runs across multiple environments.
- Added security guardrails for safe handling of sensitive tokens.
- Authored tests for both new features and found regressions.
- Improved on existing test automation.
- Automated manual API regression test suite.

Tophatter Inc, Palo Alto, CA

Developer   **June '16 - Feb '18**
- Upgraded Android application's user interface to Google's Material Design specifications.
- Orchestrated A/B tests to determine optimal user experience and fulfillment of Tophatter's objectives.
- Learned Ruby to fix server-side bugs while also developing new features on the Android client.
- Extended the Android application internationally, specifically enabling multi-currency bidding.

Ericsson Inc, Santa Clara, CA

Developer   **June '15 - June '16**
- Maintained and enhanced the web app portion of a multi-platform video streaming application (Similar to AT&T U-Verse or Comcast Xfinity).
- Augmented landing service, and multi-operator customization framework. Including enabling configurable Content-Security-Policy headers to better secure end users' browser sessions.

Tester   **March '14 - June '15**
- Implemented automated tests using a selenium web driver in both C# and javascript.
- Scrum Master for multiple teams.

Microsoft Inc, Mountain View, CA

SDET Intern   **May '13 - July '13**
- During a twelve week internship collaborated with the Test Tools and Infrastructure team to revamp failing test case triage process. Worked extensively with Team Foundation Server APIs.

Garmin Inc, Novi, MI

SDET Intern   **April '12 - Aug '12**
- Modernized the semi-truck instrument cluster, radio, and navigation tools. Worked extensively with the J1939 CAN networks of the vehicle. Including mimicking a CAN network using EEPod's MyCanic.

PROFESSIONAL **Black Hat**, Las Vegas, NV
EXPERIENCE

Student/Participant **Aug '14-'15**

- Android Application Hacking
- Uses and Misuses of Cryptography
- Advanced Wi-Fi Penetration Testing
- 0x7DF Mobile Application Bootcamp

VIRTUAL **Android Developement**

Tophatter **Android Java**

Ericsson **Multi-Client Shell Interface**

Trend Phrase **UI Class**

Stock Stalkers **Mobile U.I. Senior Project**

Friend Finder Yahoo's Hack-U competition **Fall '10**

REAL Sailing

Chicago Race to Mackinac Island **'18 -'22**

Running

Chicago Half Marathon **Sep 24th, '17 in 2:29:17**

Chicago Marathon, *The Team to End AIDS* **Oct 9th, '11 in 5:35:42**

BUZZ WORDS

Languages	Tools+Envs	People Skills
- Bash	- Terraform	- Agile Development
- C++	- Ansible	- Scrum Master
- Python	- Packer	- Manager
- YAML	- Consul	- Administrator
- HCL	- Vault	
- Java	- Systemd	
- Golang	- LDAP	
- PHP	- Keycloak	
- PowerShell	- Docker	
- Typescript	- Kubernetes	
- Web Developement	- Helm	
- R	- Tilt	
- Erlang	- Earthly	
- Kotlin	- DataDog	
- C#	- Elasticsearch	
- Ruby	- Postgres	
	- nginx	
	- PagerDuty	
	- AWS	
	- OpenStack	