

TORIE BROWN

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Experienced software engineer skilled in site reliability, full-stack development, and architectural leadership. Known for automating security procedures, standardizing codebases, and architecting scalable systems using tools like Terraform, Ansible, and Chef. Successful track record includes streamlining operations, driving architectural decisions, and implementing innovative solutions. Built products from the ground up, managed remote teams, and shipped software used by millions.

Wide breadth of experience in Python, Go, TypeScript, Angular, Node.js, .NET Core, AWS services, Docker, MySQL, and Elasticsearch covering AI, DevOps, IoT, Data Science and UI/UX. Eager to apply expertise and commitment to excellence in delivering impactful solutions to complex technical challenges.

PROFESSIONAL EXPERIENCE

Dropbox, Remote

2021 – Present

Senior Software Engineer - (L4) - Astreya (CT)

- Acted as a trusted technical decision maker in a team setting, automating and improving security procedures and services to eliminate toil and improve overall team productivity using tools like Terraform, Ansible, Chef.
- Maintain highly distributed and enterprise scale mission critical environments and production SaaS environments.
- Leveraged grafana and LLMs to develop AIs as solutions to complex problems.
- Solved and implemented solutions to complex problems by developing and maintaining services and alert monitoring and testing for critical network devices while building production level and highly scalable systems.
- Standardize code base while implementing best coding practices using Angular, Python and Go.
- Instrumental in migration of over 200,000 networking devices and their corresponding data to the new platform (NSOT -> Netbox).
- Designed and implemented core applications to improve or automate outdated manual processes or services.

Triad Behavioral Health, Remote

2020 – 2021

Senior Software Engineer

- Assisted in architectural decisions from infrastructure, CI/CD, frameworks, to storage.
- Prepared and monitored the progress of OKRs and delivered weekly updates to leadership.
- Delivered reusable dynamic components built with shareable backend microservices.
- Designed and implemented Angular monorepo with TypeScript.
- Built lean microservices with TypeScript, Express, NodeJS, MySQL, and Docker.
- Configured all Docker, CircleCI, Swagger, & other AWS services with YAML.
- Set up AWS services for RDS, Route53, EC2, ECR, ECS, S3, Amplify, & Cloudfront.
- Created logging and search API infrastructure with Elasticsearch, Loggly, and Kibana(ELK) stack.
- Created, documented, and implemented deployment strategy.
- Implemented best practices on how code is written, submitted, reviewed, & deployed.
- Mentored junior/mid-level engineers.

TransTrack Solutions Group, Remote

2019 – 2020

Lead Software Engineer

- Implemented a new responsive website approach increasing mobile traffic by 28%.
- Partnered with end-users, to develop and launch a new application in just 6 months, which was ahead of schedule by 6 months.
- Collaborated with end-users and created reusable dynamic components using Angular, Javascript, and .Net Core, resulting in website leads increasing by 15%.
- Collaborated on APIs and managed software workflows using Kanban methodology, increasing task success rate by 25%.

- Engineered a new mobile application set that absorbed the legacy android application using Xamarin for cross-platform compatibility.
- Led engineering efforts on Transit Maintenance (EAM) product acquisition. Collaborated with the CTO on decisions related to EAM and product development.
- Created a CI/CD process using CircleCI with Github to move away from manual deployment.
- Collaborated with part-time architects to break apart a tightly coupled monolith.
- Assisted in the development of our custom boilerplate for microservice creation.
- Implemented Confluence and assisted in getting all documentation in one place.
- Implemented TDD, code standards/rules, & meaningful reviews of PRs.

American HealthTech, Ridgeland, MS

2018 – 2019

Software Engineer

- Assisted in development efforts to migrate features from the legacy application while making improvements in line with the new application's architecture, in an agile environment using Angular, ASP.NET Core MVC, MySQL and Node technologies, and Git and TFS for source control.
- Developed reusable components and services to create features, such as vector image mapping, and custom dashboard functionality to increase the privacy and accuracy of patient data while ensuring ease of use and proficiency for healthcare professionals.
- Provide updates and demonstrated core application functionality to key stakeholders and realize functional requirements as relayed by BA and UI team members.

CSpire, Ridgeland, MS

2015 – 2018

Software Engineer

- Maintained and developed new software applications while documenting processes and solutions in Shell/Bash, Perl, Python, C/C++ to produce an efficiency rate of 99.99%.
- Transmitted and parsed XML from SOAP APIs to develop and maintain provisioning and mediation systems using Oracle and Netezza databases utilizing Jenkins for build management.
- Participated in release deployments for new and upgraded systems, applications, and processes and used Ganglia and Splunk to monitor Linux/Unix server health during maintenance deployments.
- Used HTML, CGI, CSS, Perl, and Angular to update and maintain an internal first contact support site used by field support to aid in the provisioning, correction of provisioning, and mediation management of customer devices.
- Led development in major customer-impacting and improvement projects, such as VOWIFI, Static IP, and Test Mode Billing that secured a large state contract and increased revenue and overall customer base by 7%.
- Developed, maintained, and supported current applications and systems with new procedures based on gathered requirements. Analyzed, tested, and maintained the health of systems to strengthen the quality, integrity, and functionality of business-critical applications.
- Performed on-call duties and resolved issues while documenting RCA in JIRA. Supported QA engineers and created documentation, unit test results, and system architectural designs.
- Created tooling, services, procedures to provision devices onto the telecommunications network as well as rate, monitor, bill, and maintain usage records.

Source Link, Madison, MS

2014 – 2015

Computer Programmer

- Partnered with account managers and created dynamic data pipelines using SAP Business Objects, resulting in customer data accuracy of 90%.
- Created an invoicing system for mailing services that managed monthly invoices and printed invoices to be sent to customers; increased conversion rate by 15%.

EDUCATION

Jackson State University, Jackson, MS

2014

Bachelor of Computer Engineering