

Brian Cantrell

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EDUCATION

Grand Canyon University

Bachelor of Science in Computer Programming

Phoenix, AZ

Aug. 2018 – May 2022

EXPERIENCE

Senior Web Developer

July 2023 – Dec 2024

Automatit Inc. - ASSA ABLOY Global Solutions

Tucson, AZ

- Primary developer of front and back end systems built with Typescript, Python, Go, and PHP powering real-time inventory availability, transaction management, and automated tools serving 500+ storage companies nationwide.
- Author of comprehensive product documentation for internal systems and proprietary libraries, providing readily available knowledge both client and team-wide.
- Founder of essential automation platform handling on-boarding and product suite configuration; engineering a coordinated network of 12 interrelated REST APIs, reducing onboard windows by weeks.
- Implemented CI/CD pipelines with GitHub actions across 300+ legacy projects thus reducing developer workload by 20% and drastically reducing deployment errors.
- AWS and cloud resource deployment, involving S3 bucket optimization and EC2 instance scaling for large and small scale projects.

Web Developer

Nov 2021 - July 2023

- Developed and contributed to 200+ responsive front-end applications with React and Vanilla tooling i.e: HTML CSS and Javascript adhering to WCAG AAA accessibility compliance while maintaining strict design requirements set by clients and designers.
- Bridged legacy and innovative frameworks, developing seamless integrations with evolving back-end systems built with various technologies to maximize new functionality for all clients.
- Design and develop front/back-end systems to allow secure transactions and mitigating privacy concerns within GDPR compliance.
- Rotations serving as scrum master for 6 person team, driving sprint plans, retrospective conversations, and daily stand-ups, reducing team bottlenecks by 50%.

Junior Developer

June 2019 - Nov 2021

- Implementation of conversion tracking with custom client specific events for company specialists; leading to educated decisions driving our marketing team to 3x the amount of conversions.
- Facilitated product decisions with over 50 clients weekly to fill the technical gap between engineering and non-technical teams to achieve goals and implement features.
- Directly responsible for extensive client reports leveraging Google APIs and React to showcase client metrics. Utilizing these metrics, teams could apply root cause analysis in pinch points to optimize quarterly KPIs.

Utility Tech Lead

Sep 2017 – June 2019

USIC

Phoenix, AZ

- Assisted in the design and placement of telecommunications utilities across Phoenix, Tucson, and surrounding areas for Cox Communications and Century Link; ensured completion of over 30 utility infrastructure projects daily.
- Collaborate with various departments and organizations to deliver designs within the established time frames.
- Developed effective communication and teamwork-oriented skills in a dynamic fast-paced setting.
- Interpreting complex design schematics to grasp the broader scope of a given project.

CP1 Corrosion Tech

Aug 2013 – Apr 2017

Accurate Corrosion Control Inc.

USA

- Developed an auditing framework with my NACE CP1 expertise, exploiting software tools to allow survey data to be human readable; reducing redundant work and improving accuracy.
- Conducted technical surveys and examined data based on cathodic protection systems creating detailed digital reports that ensured regulation compliance.
- Designed and maintained distributed systems for cathodic protection applications, using software to track metrics, optimize system health, and aggregation data for various companies.
- Problem solving workflows for client infrastructure by writing digital processes and practices, improving task efficiency and team coordination across 8 states.

TECHNICAL SKILLS

Languages: Typescript, Python, Go, PHP, SQL, HTML, CSS

Frameworks: Gin, Chi, React.js, Node.js, CodeIgnitor, Express.js,

Developer Tools: Terminal, Neovim, Git, GitKracken, Composer, Docker, Kubernetes, AWS

Familiar With: Java, C#, Next.js, Symfony, Socket.IO, .NET, RabbitMQ

PROJECTS

On-boarding Automation | *React, Typescript, PostgreSQL, Docker, Node.js*

Sep 2022 – Dec 2024

- Full-stack application for streamlining the on-boarding and management processes for marketing clients, utilizing Google APIs (Tag Manager, Analytics, Search Console, Adwords) to automate key tasks.
- Integrated custom queue manager that utilizes a token bucket algorithm to balance user load while adhering to API limitations.
- Custom OAuth integration with Node.js/Express allowing exclusive access to company users and providing business logic for front-end processes.
- Intuitive Front-End built with React and the Material UI library for a familiar user experience consistent with branding standards.

MOSAIC | *PHP, Gulp, React, SQL, Git, Composer*

June 2019 – Dec 2024

- Monolithic PHP back-end service integrating with 5 separate self-storage management systems providing secure facility transactions.
- Real-time inventory synchronization system that tracks unit availability across distributed facility networks, improving occupancy management at scale.
- Multi-tenant override interface feature enabling enterprise clients the ability to configure facility-specific UI/UX components within a secure transaction platform.

Project Link & More Upon Request