Nathan Brown

CONTACT

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PROFILE STATEMENT

A die-hard creator with a passion for beauty and the tenacity to shrug off failure and forge ahead. I combine determination with industry standards to solve those pesky, high-effort, high-reward problems that no one else can.

🖥 SKILLS

Swift | Objective-C | JavaScript | PHP | SQL | AWS Infrastructure

🎓 EDUCATION

2012   B.S. Computer Science   Cedarville University   Cedarville, OH

🌐 WORK EXPERIENCE

Sr. iOS Engineer | TEKSystems Hilton | 2021 – Present   *Dallas, TX*

➢ Implemented a new framework for displaying offers and messaging when users make their hotel reservations, increasing credit card applications to our financial partners.

➢ Contributed to new architectural designs and patterns for the next iteration of the [Hilton Honors](#) app.

➢ Promoted design usage and buy-in across the team by engaging others, teaching them to use the new architecture, and helping track and respond to feedback as the designs were applied in a day-to-day business context.

Software Consultant | Self-Employed | 2020 – Present   *Dallas, TX*

Project: Proprietary iOS App (May 2020 – Present)

➢ Implemented a new system leveraging Core Data to save and load user information.

Sr. iOS Engineer | TEKSystems Hilton | 2019 – 2020   *Dallas, TX*

➢ Rapidly implemented changes to our reservation editing / cancellation flow in response to the COVID-19 crisis. As a result, some users considered our our [Hilton Honors](#) app their de-facto source for Hilton's policy changes in response to the crisis.

➢ Implemented a new stay experience in our mobile app, increasing user engagement by nearly 30%.

- ➢ Implemented a new check in and opt in flow for our flagship Digital Key, increasing opt-ins by 17% and actual usage by 14%.

- ➢ Implemented a new benefits summary screen for our Blue and Silver HHonors members to help them take advantage of Hilton's Welcome products. As a result, unique visits to the screen increased by 46%.

- ➢ Crafted a framework that allows developers to create internal and external beta experiences, allowing us to receive direct user feedback and respond faster.

iOS Framework Engineer | Citibank | 2018 – 2019   *Dallas, TX*

- ➢ Created an integration framework between Zelle and Citi's mobile products, reducing months of effort to a matter of days.

- ➢ Created a framework for building and using SDKs to proprietary microservices in a matter of days; currently in use by multiple teams across the organization.

- ➢ Implemented prototype UI designs for [Beacon by Citi™](#).

Software Consultant | Self-Employed | 2017 – Present   *Dallas, TX*

Project: Proprietary iOS App (March 2018 – Present)
- ➢ Created an algorithm that determines whether two words rhyme and a solution for storing a static reference dataset to seed the algorithm.

Project: Media Center Payment Tracking App (March 2018 – July 2018)
- ➢ Migrated an app to Swift 4, automating pen-and-paper management of library fees.

- ➢ Re-factored user authentication workflow, data output, and UI to simplify the user experience.

Project: Media Center Usage Tracking App (March 2018 – July 2018)
- ➢ Migrated an app to Swift 4, automating library usage tracking.

- ➢ Re-factored data handling and transfer, integrating into existing processes and systems and eliminating much of the manual documentation checks and formatting that were previously required.

Technology / Content Manager | Christian Church of Thousand Oaks | 2015 – 2018   *Thousand Oaks, CA*

- ➢ Managed online engagement through web (ccto.org), mobile (Android | iOS | Windows), and print media.

- ➢ Created visuals and copywriting. Provided technological insight and page designs, balancing information organization and aesthetics.

- ➢ Cut approx. $700-$1300 in creation costs through open-source software.

Backend Engineer | Strategic Media 21 (Social Media Marketing Startup) | 2012 – 14   *San Diego, CA*

- ➢ Oversaw an intensive third-party security review of all applications and implemented code/infrastructure updates to meet security needs.

- ➢ Took ownership of all infrastructure and deployment, including 24/7 maintenance and support for products.

- ➢ Managed and reported site usage metrics via Google Analytics, as well as taking ownership of documents, forms, email accounts, and other administrative needs via Google Apps for Business.

- ➢ Created tools for monitoring social media metrics via the Facebook API.

Backend Engineer | Alleluu (Social Media Outreach Startup) | 2012 – 14   *San Diego, CA*

- ➢ Designed, implemented, delivered and oversaw our backend RESTful APIs. Careful design work slashed 2,000+ lines of code using industry-standard OOD techniques.

- ➢ Deployed and managed high-availability infrastructure on Amazon Web Services to support the API.

- ➢ Provided 24/7 maintenance and support of online products and metric tools for clients and C-level executives.

- ➢ Cut product downtime (47.07% **to 0.06% across all sites**) by migrating to AWS and cut repo costs by approx. $10/month (83.3%).