

## EXECUTIVE SUMMARY

**Client Name:** “Beta”

**Industry:** Software

**Location:** USA

**No. Employees:** 11-50

**Client Challenges:**

1. Create beautiful, easy-to-use front-end interface and screens.
2. Trusting exterior staff to handle software development.
3. Interviewing clients to determine eventual front-end design.

**Solutions:**

1. Utilize weekly meetings, Slack, and trackable changes on Git to assuage fears of staff augmentation. Trusting exterior staff to handle software development.
2. Handle interviewing clients, recording and taking detailed notes to inform design.
3. Create screen designs in Adobe XD.
4. Build front-end interface screens using Vue.js and Node.js

**Results:**

1. Replaced an outdated application with a new front-end screen which would ensure the interest of current and future clients.
2. Opened Beta up to using staff augmentation when advantageous.

## PRODUCT LIST

**Software:**

1. Adobe XD
2. Vue.js
3. Node.js

**Productivity Software**

4. Git
5. Slack

## Software Design Firm Serves Clients More Efficiently Through Staff Augmented Software Development

### CLIENT CORPORATE SUMMARY

The client (“Beta”) is a software designer for public and private sector organizations, including local government agencies, contractors, consultants, law firms and more. Beta creates web-based solutions which provide real-time information, helping organizations manage information better. These solutions increase efficiency and replace outdated or paper-centric systems.

### CHALLENGES SUMMARY

Serving public and private sector organizations across the country is a hefty task. Creating a beautiful, easy-to-use interface for those clients is essential, especially when the back-end information is so vital to their operations.

As software designers themselves, Beta created the back-end they needed for their clients. But creating the front-end facing system and screens was something they needed additional staff to handle. Having previously handled all software work in-house, they were hesitant about handing it off to an outside firm.

The design of the front-end system also proved a challenge. Beta wasn’t sure what their clients wanted, so an intensive round of interviewing and mock-up development was also required.

### SOLUTIONS SUMMARY

When GearForge Software came in we used a team of four to handle the project: a project manager, lead developer, designer and Vue.js developer.

Utilizing weekly feedback meetings, the GearForge team helped Beta understand the value of staff augmentation to their project, and how to conquer their challenges. To assuage any fears of allowing outsiders to work on their software, we set up a constant Slack channel between outside staff, the GearForge team and key Beta personnel. GearForge used the Git version control system as a code base to offer accountability of code changes, who changed it and why.

Our team spent time before software development interviewing various sizes of clients, recording those sessions and then making detailed notes. We found issues and problems that way, and convinced Beta of our vision for the front-end software.

As far as development, our team provided Beta with a complete set of screens, along with a library of components they could use to build out additional screens. To create the solution, GearForge used Adobe XD for high-fidelity mockups, and the front-end was developed with Vue.js and Node.js.

## RESULTS SUMMARY

With a one-year timeframe, this project replaced an outdated application with a new front-end screen which would ensure the interest of current and future clients. Beta is still collecting data on how GearForge's assistance will affect their project, but they are interested in continuing to work with us on the Vue.js component library and future front-end mockups.

## GEARFORGE SOFTWARE

Founded in 2017, GearForge Software focuses on and develops internet of things (IoT) technology and creates custom software solutions.

With two of the only IoT labs in Minnesota, GearForge commits to building and programming the devices necessary to power a wide range of industries throughout the entire United States. With more than 35 combined years of experience in software engineering, along with military-based electrical engineering experience, the leadership team designs and builds IoT solutions end-to-end.

GearForge has a well-defined software development life cycle (SDLC) and can help your business get to market rapidly. From mobile and web applications to cloud infrastructure and IoT, we create greater value and enhance your return on investment.

<https://gearforsoftware.com>