

KEN BOYD

SOFTWARE DEVELOPER

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PROFILE

After graduating MTSU with a degree in Computer Science, I joined Asurion as a Software Tester. After years of software and process automation, I wanted to learn more full-stack development. I found out about Nashville Software School's web developer program, which would help build out desirable front/back end development skills.

INDIVIDUAL PROJECTS

QUEST LOG

<https://github.com/klb417/quest-log>

Quest Log is a social to-do list with gamification. Users create a character and maintain or lose that character through completing or failing Quests (tasks). Other users can join in on Quests to tackle large tasks, or they can be assigned Quests if they don't seem to be doing their fair share. Quest Log was built using **ReactJS**, **React Bootstrap**, and **JSON Server**.

iZen

<https://github.com/klb417/i-Zen-client>
<https://github.com/klb417/i-Zen-api>

iZen, based off the continuous improvement methodology Kaizen, is your own personal retrospective board for your hobbies and anything else you want to develop in your life. Set up a Progression to track, create a retro board for documenting reflections, and fire away with what went well, what went wrong, and action items you'd like to follow up on to ensure improvement. iZen was built for mobile using **React-Native with Expo** and the **Django Rest Framework**.

EDUCATION

Full Stack Developer

Nashville Software School

B.S. Computer Science

MTSU, Summa Cum Laude

TECHNICAL EDUCATION

SOFTWARE DEVELOPER

Nashville Software School | Oct 2019 - Mar 2020

Full-time 6 month rigorous Full Stack Web Developer program teaching front and back end fundamentals, version control, and agile methodology with **HTML**, **CSS**, **JavaScript**, **React**, **JSON Server**, **Git**, **Python**, **Django**, and **SQL**.

GROUP PROJECTS

- **Reactive Nutshell** - A social platform for keeping track of events, news, tasks, messages, and friends. Created using **ReactJS**, **React Bootstrap**, and **JSON Server**. Built the friends component for CRUD capabilities and sharing state through props.
- **Bangazon** - An online marketplace for users to search, buy, and sell products. Built both front and back end using **ReactJS**, **MaterialUI**, and **Django Rest Framework**. Across two teams, I worked on server and client side functionality for Products and Orders, and I assisted fellow classmates through pair programming and troubleshooting.

PROFESSIONAL EXPERIENCE

Software Design Engineer In Test

ASURION | JUL 2015 - AUG 2019

Asurion, the global leader in technology protection services, aims to help people protect and enjoy their tech through device insurance and quality tech support.

- Developed **JavaScript** end-to-end tests for a **Dart** application using **Cucumber.js**, **WebdriverIO**, and **Selenium**
- Wrote test scripts using **Gherkin** syntax for easily digestible business requirements
- Operated as sole SQA and test automation member on small journey teams of 4-6
- Collaborated with release team to build a smoother production deployment process for various products
- Maintained and created **Groovy** scripts to run automated tests on scheduleBuilt scripts for automated jobs to upload test results to **qTest**
- Constructed webhooks and upload scripts to print easily understood test results to **Slack** on test completion
- Mentored team members on **Bash** scripting and **Git** flow
- Refactored the testing flow to use **Docker** images for easier test management
- Built integration testing framework in **Typescript** and **Cucumber.js** for use with new services being created
- Communicated business and technical requirements with both in-house business analysts and developers and 3rd party service provider software developers
- Estimated QA workloads for 3 week sprints in planning meetings
- Maintained test scripts in **HP Quality Center**
- Reviewed business requirements to create manual test plans for 3 week sprints
- Executed test scripts and created bug tickets for features failing to meet requirements
- Collaborated with developers to correct failing features