

# Trevor A. Jacobson

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## PROFESSIONAL EXPERIENCE

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### Software Development Engineer II

Jan. 2018 – Present

*Kaseya - AuthAnvil*

- Develop Identity and Access Management software to provide Single Sign-On access, 2FA, and a secure password store with a highly available, cloud-based solution using industry standards like OAuth 2.0, SAML 2.0, and SCIM
- Agile Scrum environment, provide code reviews and write unit tests to ensure quality code
- Successfully developed solution to weekly server outages in the Azure Cloud Service through log analysis
- Reduced database access time by 30% through query optimization of Entity Framework (ORM framework)
- Wrote new frontend in React with Redux using Typescript for aligned look and feel across company products.
- C#, .NET, Web API 2, Entity Framework 6, Azure Cloud Service, REST, React, Redux, Typescript, Polymer

### Software Development Engineer, Intern

Mar. 2017 – Dec. 2017

*Kaseya*

- Developed the company's first microservices as RESTful APIs using .NET Core deployed as Docker containers
- Wrote the OWIN middleware used by all microservices to ensure security, logging, and performance tracking
- Built microservice application template enabling teams to develop apps and deploy Docker containers instantly
- C#, .NET Core, Node.js, SQLite, Docker, REST, Microservice Architecture

### Android Developer Intern

June 2016 – Aug. 2016

*Verizon - MyFios*

- Migrated browser hosted sections of the app to native Android experience increasing app responsiveness
- Developed UI designs and functionality of the migrated sections using Java and XML

## PROJECTS

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### Autonomous Home (Python, PHP, JavaScript, HTML)

- Led a team of students as a project manager to design and implement frontend, backend, and hardware systems
- Full home security with webcam streaming, saved videos, alarm system, and remote door lock
- Customizable lighting, thermostat, and security profiles which can be saved for recurring use

### Plant Species Classification (Java, Machine Learning, K-means cluster)

- Takes measurements from a set of leaf images and applies it to the K-means cluster algorithm
- K-means cluster achieved 84% accuracy and Naïve Bayes achieved 58% accuracy on 36 different species

### Presentation Analyzer (Node.js, AWS Lambda)

- Developed on Amazon's Alexa Skills Kit using Amazon Echo, node.js, AWS Lambda, and sentimental analysis API
- Present a speech to Echo and receive feedback i.e. duration, number of filler words, words per minute, and sentimental analysis

## EDUCATION

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### University of Nevada, Las Vegas

Dec. 2017

BS Computer Science

GPA: 3.55

Dean's List (6 semesters)

## SKILLS

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**Programming Languages:** C#, Python, JavaScript, Java, SQL, C++, C, HTML

**Frameworks and Tools:** .NET, React, Redux, Git, Scrum, Unix, Windows, SQL Server, Entity Framework,