

Josh Bowden

Computer Science

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Skills

advanced C#, F# | Java, Kotlin | TypeScript, JavaScript (React, Angular) | SQL (Postgres)
intermediate Python, C/C++ | Android (Java/Kotlin) | NoSQL (OrientDB) | Linux, Windows Server

Work Experience

- Summer 2018 **Software Engineer Intern**, *Relativity*, Chicago, IL.
Relativity's eDiscovery empowers legal teams to organize data, discover the truth, and act on it.
- Integrated audio/video support into Relativity's file conversion engine (C/C++)
 - Added feature to stream multimedia files to HTML5 document review interface (C#, JavaScript)
 - Worked with team of 10 using agile methodology
 - Technologies: C/C++, C#, JavaScript, TypeScript, PowerShell**
- Summer 2017 **Software Engineer Intern**, *Intelligent Medical Objects*, Northbrook, IL.
IMO links medical terms to industry billing codes, saving time and money with accurate billing.
- Implemented product purchase page using tax and credit card tokenization APIs (Angular 4)
 - Integrated custom version tracking system with internal ETL tool (C#, Oracle PL/SQL)
 - Worked on agile team of 5 using scrum methodology: daily stand-ups and two-week sprints.
 - Technologies: C# (ASP.NET), TypeScript (Angular 4), Oracle PL/SQL, Octopus**
- 2014–2016 **Software Engineer**, *Automated Vault Machine*, Buford, GA.
AVM is a startup that rents out secure lockboxes for fully automated, private storage.
- Architected on-premise account management system using client-server architecture.
 - Implemented Two-Phase Commit engine for transactions over remote resources.
 - Extensively used unit testing, integration testing, and end-to-end UI testing.
 - Technologies: C#, F#, WPF, Postgres, RabbitMQ, Vagrant, Windows Server, Linux**

Personal Experience

- 2017 **SASEhack 2017 – 1st Place Team**, *SASE National Conference*, Schaumburg, IL.
- On a team of four, we competed against 15 other teams.
 - Prototyped a questionnaire chatbot to identify large scale issues within a community.
 - Implemented webhook server in Python for the chatbot to respond with relevant questions.
 - Technologies: Python (Flask), DialogFlow (api.ai), Postgres**

Education

2016–2020 **B.S. Computer Science**, *Illinois Institute of Technology*, Chicago, IL.
Camras Scholarship (Full-Tuition Scholarship)

Relevant Course Work

- Object Oriented Programming (Java)
- Data Structures & Algorithms (Python)
- Systems Programming (Linux & C)
- Computer Organization (theory-based)
- Discrete Structures (theory-based)
- Introduction to Algorithms (theory-based)