

Chris Boston

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SOFTWARE ENGINEERING EXPERIENCE

R&D Software Engineer

04/2021 – present

Sisense

New York, New York

- Create full-stack (70% front-end) agile web solutions with TypeScript and JSX within a functional React framework.
- Build a multitude of modular React components for flagship product ComposeSDK, a composable, code-first analytics toolkit.
- Develop and drive release of business-critical product Sisense Notebooks, a code-centric, fully customizable dashboard experience for data analytics and business intelligence customers with Kubernetes-based microservices.
- Integrate front-end client with robust Apollo GraphQL endpoint in Node engine, complete with MongoDB database.
- Tech lead for design, development, and release of brand new public-facing Sisense.dev documentation site for developers using Vue and VuePress for docs automation hosted in AWS.
- Interview potential engineering candidates; mentor new hires with one-on-one technical shadow program.
- Manage collaboration between multiple technical and non-technical international teams across vastly different time zones.

Software Engineer

06/2017 – 04/2021

Leidos, Civil Aviation Division

Gaithersburg, MD

- Develop and support full-stack (60% front-end) agile web products visualizing trends in national flight data for the FAA's air traffic control automation system, using a sharded MongoDB backend, RESTful Python Flask web servers, and React UIs.
- Own complex technical projects from inception to release, overseeing system design, implementation, testing, and launch.
- Communicate technical details with non-technical audiences to determine requirements, track progress, and lead collaboration between developers, systems engineering, and various FAA client stakeholders.
- Independently rebuild legacy web pages from Perl and static HTML to modern, hierarchical Python and Jinja templates.
- Automate deployment and maintenance of distributed web applications with SSH, RDP, and Bash scripts on Linux boxes.

Software Development Intern

04/2015 – 08/2015

Ally Financial

Detroit, MI

- Collaborate with Agile team releasing custom-designed Salesforce.com Apex web modules within Eclipse IDE.
- Spearhead code standardization projects for all Apex and Java code corporation-wide, present to engineers and executives.

Laboratory Manager & Graphic Designer

09/2011 – 08/2013

University of Michigan Institute for Social Research, Bias Research Program

Ann Arbor, MI

- Formulate experiments to study and reduce implicit bias in the STEM workplace; lead meetings, mentor new hires.
- Become aware of my implicit biases so to combat their effects and endeavor to limit their influence on my perception.

EDUCATION

University of Michigan

Graduation: 04/2017

- B.S. in Computer Science – Track concentrations in Web Design and Software Engineering

Ann Arbor, MI

Notable Coursework

- Software Engineering • Full-Stack Web Development • Artificial Intelligence • Calculus I & II • Data Structures & Algorithms • Statistical Data Analysis • Programs & Databases • Computational Theory • C# Applications • *Full Transcript Available Online*

RELATED SKILLS

Languages

JavaScript (React, Vue, Node, TypeScript), Bash, C, C++, C#, Python (Flask, Django, Jinja, PyMongo), Core Java, MongoDB, SQL, MySQL, HTML5, CSS, SCSS

Software

Git, Docker, Eclipse, MS Visual Studio Code, .NET Framework, AWS (IAM, Amplify, ElasticBeanstalk), VIM, Unity Engine, Adobe Suite, JIRA, Linux, MS Windows, MS Office 365

Concepts

Full Stack Development, Front End Development, AJAX, Web Servers, RESTful API Design, Web UI Design, Data Structures & Algorithms, Object-Oriented Programs, Event-Driven Programs, Deployment Automation, System Design, Complexity Analysis, Unit Testing, Digital Graphic Design, Distributed Software, Video Game Design, Agile Methodology

NOTABLE PROJECTS

HabitaSync

11/2018 – 09/2019

Creator

Washington, DC

- Independently design and develop web utility HabitaSync, a cloud-based app to sync Habita with Google Reminders.
- Build Glitch-hosted Python webservers with RESTful APIs, using event webhooks and Google Scripts cloud cronjobs.

MediVision, University of Michigan

12/2016 – 04/2017

Co-Creator & C# Application Developer

Ann Arbor, MI

- Created scalable live video streaming platform MediVision, a prototype web service and Microsoft HoloLens app.
- Designed MySQL database, Python webserver, Jinja templating, and an augmented reality app built with C# in Unity engine.