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# Aaron Goldsmith

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## TECHNICAL SKILLS

**Strong:** Javascript (ES6), Node.js, npm, Express, MongoDB, PostgreSQL, Redis, REST, ReactJS, Bootstrap, Sass, LESS, BEM CSS, HTML5  
**Experienced:** Java, Spring, Python, Flask, Maven, Mocha, Chai, Electron, Jenkins, Babel, webpack, Grunt, Git, bash, AWS, Swagger

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## EXPERIENCE

- Rotten Tomatoes | Full-Stack Software Engineer** **2017 - 2019**
- Rewriting legacy Java Spring web application with Node.js and Express.
  - Integrating new MySQL API microservices while transitioning away from legacy data sources.
  - Designed Node.js Async parallel and waterfall server-side control flow to handle movie and ticketing data.
  - Created ES6 middleware for internationalization of website content based on Akamai EdgeScape GeolP.
  - Tracking website metrics with Google Lighthouse Audits focusing on performance and accessibility.
- Sherpa-UI | Lead Software Engineer | A design tool for creating Virtual Reality web experiences with ReactVR** **2016 - 2017**
- Created React interface in an Electron GUI to manage data and bundling for creating 360° experiences in ReactVR.
  - Manipulated 360° images and spatial coordinates in ReactVR to display text, images, and video in four unique panels.
  - Implemented saving, uploading, and exporting of VR experiences to bundled HTML and Javascript files through Electron.
  - Handled project updates by creating an Express server to read and write state from a locally stored JSON file.
  - Published project as NPM package, OSX Electron Binary, and deployed assets via AWS.
- Appen, Inc. | Search Engine Evaluator** **2013 - 2014**
- Performed sentiment analyses and data annotations with Google Analytics to evaluate search engine performance.
- Neophonic Music & Media | Music Supervision Assistant** **2011 - 2012**
- Contributed to company website front-end by formatting Film/TV project images for with custom layouts.
  - Created keyboard macro script to enter music file metadata, eventually training a broader team to use the script.
  - Digitally catalogued music submissions from record companies and publishers in iTunes based on pricing and copyrights.
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## PROJECTS

- MP3 Playground | Full-Stack Developer | Upload music, create and share playlists**
- Implemented user file storage with Amazon S3 and MongoDB to accommodate large file sizes and music metadata entries.
  - Integrated REST API created with Node.js and Express.js to handle requests for users, playlists, and song files.
  - Utilized JSON Web Tokens to securely authenticate users and authorize API endpoints for individual sessions.
  - Used AngularJS to incorporate Material Design, music player controls, and song recommendations from last.fm API.
- BTC Manager | Full-Stack Developer | Bitcoin address storage and tracking**
- Retrieved live Bitcoin address information from Blockchain.info API, including current balance and total sent.
  - Implemented storage of user data with PostgreSQL, Rails, and Active Record.
  - Incorporated 'bcrypt' Ruby gem for secure user password hashing.
- Homeward Bound | Lead Back-End Developer | Store and manage Craigslist search results**
- Created REST API to allow a user to query information retrieved from 'node-craigslist' web-scraping module.
  - Integrated Twilio API to notify the user via text message of new search results for saved queries at a chosen interval.
- SimonJS | Front-End Developer | Classic memory game**
- Used jQuery to recreate the classic gaming experience where the user has to repeat the sequence of colored lit sections.
  - Implemented special mode where game board rotates using CSS WebKit animation.
  - Created a win/lose message in a visual glitch font with SVG graphics using filter effects and animation.
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## EDUCATION

- Codesmith | Advanced Software Engineering Residency** **2017**
- General Assembly | Full-Stack Web Development Immersive** **2016**
- University of Southern California | M.A. Communication Management** **2008**
- University of California, Los Angeles | B.A. Sociology** **2004**