Arvind Ravi

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PROJECTS

Vibes (Ruby on Rails, React.js)   **Live | GitHub**

A single page music management application inspired by SoundCloud
- **Developed universal navigation bar to allow for easy song searching and uploading to the cloud**
- **Created personalized experience by enabling management of user profile and playlist of liked songs**
- **Used Amazon S3 to store all uploaded songs and image files**

MazeCraze (JavaScript, jQuery)   **Live | GitHub**

An algorithm visualization tool for solving mazes
- **Programmed visualizations for the breadth-first search, depth-first search, and A* algorithms**
- **Allows users to select maze endpoints, dimensions, and tree traversal solution**

PourOverJS (MongoDB, Express.js, React.js, Node.js)   **Live | GitHub**

A JavaScript profiler and code editor developed using the Scrum methodology (Agile framework)
- **Calculated performance metrics for the submitted code by modifying the abstract syntax tree**
- **Developed stack frame visualization to step through program execution**
- **Allows users to save code snippets to the database**

SKILLS

- **Languages: Fluent in Tamil**
- **Applications: Amazon Web Services, Microsoft Excel, Access, Visio, Dynamics CRM, Active Directory, SQL Server, Internet Information Services, OSIsoft PI System, Command-Line Interface, Epicor ITSM, AspenTech Aspen Plus, PTC Mathcad**
- **Programming Languages: JavaScript, React.js, Node.js, Express.js, MongoDB, jQuery, Redux, Ruby, Ruby on Rails, RSpec, SQL, Git, HTML, CSS, VBA, MATLAB**

EXPERIENCE

OSIsoft, LLC, San Leandro, CA   **July 2015 – May 2017**

Customer Support Engineer: Rotational Position
- **Field Service Rotation: Installed, configured, and audited PI software at customer sites and taught classes on product functionality, both remotely and onsite**
- **Automated the generation of field service work reports by coding a macro that pulls in relevant job information from various backend SQL databases, saving each engineer an hour per report written**
- **Technical Support Rotation: Remotely troubleshooted and debugged PI software and answered questions about product functionality**
- **Expanded internal and external knowledge base wiki by documenting customers' technical issues and network architecture**

Alstom, Inc., Richmond, VA   **June 2014 – August 2014**

IT / Engineering Intern
- **Consolidated gas turbine inspection data from 17 plant sites, initially stored in several Excel files, into a single Access database which provided the engineering team with a single point of truth**
- **Developed tools in this database using VBA- and SQL-driven forms that allow for tracking of completed inspections, saving users several hours that would have been spent on manually comparing completed inspections**

EDUCATION

App Academy   **May 2017 – August 2017**

1000-hour full stack web development course, acceptance rate < 3%

University of Virginia, Charlottesville, Virginia **August 2011 – May 2015**
Bachelor of Science in Chemical Engineering; Minor in Engineering Business
GPA: 3.5/4.0