


# Arvind Ravi

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## PROJECTS

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### 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
- Allowed for management of a user profile and playlist of liked songs to create a personalized experience
- 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
- Enabled 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
- Enabled users to save code snippets to the database

## SKILLS

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- 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, Esprima, Ruby, Ruby on Rails, RSpec, SQL, PostgreSQL, Git, HTML, CSS, VBA, MATLAB

## EXPERIENCE

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### 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

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### 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