

Technical Skills

Strong | JavaScript, jQuery, Git, Angular, Express, MongoDB, RESTful API, CSS, Mongoose

Experienced | React, D3, Socket.io, Backbone, Mocha, Grunt, Chai, Passport, JWT, MySQL

Software Engineering Projects

Pokemon Master Trainer - Software Engineer & Scrum Master

github.com/hiteshlala/pokemon-board-game.git

A web recreation of a popular board game (no longer in production)

- Utilized Socket.io to synchronize page-views between players in real time.
- Streamlined authentication by incorporating delegated login through Facebook using OAuth and Passport JS.
- Designed and implemented Mongo database schemas to maintain state using Mongoose ORM.
- Developed RESTful API routes to facilitate data update and retrieval to the database using Node and Express.
- Created front end views using Angular directives, CSS, and SVG to emulate board play and enhance user experience.

SettleUp - Software Engineer

github.com/hiteshlala/SettleUp

A party planner, cost distribution and payment tool

- Designed and built interactive data visualization using D3.js.
- Extended an inherited codebase to include data entry and persistence using Angular, Express and MySQL.

Pollster - Software Engineer

github.com/hiteshlala/Pollster

A tool to solicit friends' opinions on tough decisions

- Built relational database using MySQL, Express, and Sequelize to efficiently manage data.
- Designed intuitive user experience and crafted front-end views using Angular.

Other Projects

hiteshlala.github.io

- **Sierpinski Triangles** - Web visualization using D3.js and jQuery demonstrating the iterative generation of this fractal image.
- **Bounce The Ball** - Visual simulation of two body collisions built with JavaScript, HTML, and a custom vector algorithm.
- **Swat The Fly** - An interactive web game built with JavaScript and HTML.

Professional Experience

Matter of Trust - Exhibits Designer

2014 - 2016

- Educated community by researching, designing and building educational exhibits showcasing sustainable technologies.
- Invented ways to repurpose waste material in order to reduce landfill volume and distributed kits to teach these methods to the community.

Montessori Family School - Substitute Math Teacher, Purchasing Administrator

2007 - 2015

Education

- **Hack Reactor** | Advanced Software Engineering Immersive Program 2016
- **Athens Technical College** | Associates in Electronics Technology 2003
- **Georgia Institute of Technology** | M.S. in Applied Biology 1997
- **Georgia College** | B.S. in Paleontology 1995

Personal

I love listening to world folk music and am learning to play the violin and flute in those styles. I am also an avid indoor climber and have won a number of community climbing competitions. I occasionally go windsurfing and build electronic projects.