

# Tejas Bhaskar Parab

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## EDUCATION

**Northeastern University, Boston, MA**

**College of Computer and Information Science**

**Aug. 2017 – Present**

**Expected Graduation: May 2019**

Candidate for a Master of Science in Computer Science | **GPA:3.4/4.0**

Related Courses: Programming Design Paradigm, Web Development, Computer Systems, Information Retrieval, Algorithms

**University of Mumbai, India**

**June 2016**

Bachelor of Computer Engineering

Related Courses: Data Structures, Database Management Systems, Web Technologies, OOPM, Software Engineering

## TECHNICAL SKILLS

**Programming Languages:** Java, C, Python, Elixir, Racket, C++, C#, Javascript (ES6+), HTML5, CSS

**Web Technologies:** React.js, Redux, Node.js, Express.js, Phoenix, Django, JSON, RESTful APIs, jQuery

**Database:** MongoDB, PostgreSQL, DynamoDB, MySQL

**Other:** Git, Nginx, Heroku, AWS (EC2, S3, EBS), Atom, VS Code, IntelliJ IDEA, NetBeans, Eclipse, Unity 3D, vim

## PROFESSIONAL EXPERIENCE

**Accenture Solutions Pvt. Ltd. | Mumbai, India**

**Nov. 2016 – July 2017**

**Associate Software Engineer [Domain: Insurance]**

- Implemented and prepared test scenarios, test conditions and test scripts as per given requirements while maintaining 100% test coverage and documentation for the same.
- Executed test conditions, scenarios and scripts while also performing regression, smoke, and sanity tests on the application (Accenture Life Insurance Platform), used Agile model for testing.
- Trained new employees to use application in order to ensure maximum efficiency while testing.
- Discussed conflicts in daily stand up meetings and coordinated with development team.

## PROJECTS

**Devconnector: MongoDB, Express.js, React.js, Node.js, Redux**

**May 2018 – Aug. 2018**

- Developed a single page web application allowing developers to connect with each other and build profiles, list work experience, education, github data and comment on profiles and posts.
- Implemented a Mongo database to store user login data, work experience, education and posts information.
- Created a RESTful backend API using Node.js, Express.js and Mongoose to serve data to front-end React.js application.

**Web Server in Rust**

**July 2018 – Aug. 2018**

- Designed a web server that utilizes the reactor pattern to handle service requests concurrently where a main thread accepts requests and adds them to a queue of pending requests which are fetched by worker threads.
- Built an LRU cache for each of the worker threads to store metadata and information of files processed by it.
- Tested server with ApacheBench achieving performance of upto 76% to nginx while serving css, html and js files.

**Job Search Portal ([jobs.tejasparab1.com](http://jobs.tejasparab1.com)): Phoenix, Elixir, React.js, Redux, PostgreSQL**

**March 2018 – April 2018**

- Led a team of 4 to develop a responsive single page web application allowing users to search for jobs using data from multiple REST API's such as Github Jobs, ZipRecruiter and AuthenticJobs based on keywords entered by user.
- Implemented 'sign in' utilizing GitHub OAuth and a resume parsing feature in Elixir using RESTful API.
- Maintained a PostgreSQL DB to store user account data such as extracted skills, resume and login type of user.

**Othello MultiPlayer Game ([othellogame.tejasparab1.com](http://othellogame.tejasparab1.com)): Phoenix, Elixir, React.js, Redux**

**Feb. 2018 – March 2018**

- Developed an online two-player game as a team of 2 which allowed other users to join in an ongoing game as spectators, chat, and watch available moves to players while building backend with Elixir.
- Worked on lifecycle methods, state, props and events to create stateful components, achieved routing with react-router.
- Leveraged Phoenix channels to support multiple instances of same game and concurrent game sessions.