Abhishek Raval

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Available From: Jan 2020

EDUCATION

Northeastern University, **Khoury College of Computer Science,** Boston, MA	Expected Graduation: Dec 2019
Master of Science in Computer Science	GPA: 3.6

Related Courses: Web development, Algorithms, Large scale parallel data processing, Database management system
Managing software development, Mobile application development

Gujarat Technological University, Gujarat, India	May 2017
Bachelor of Engineering in Information Technology	GPA: 3.6

WORK EXPERIENCE

Shell Techworks (STW), Cambridge, MA

Software Engineering Co-op   Jan 2019 – Sep 2019

- Designed, developed and deployed Enhanced Equipment Care System (EECS) Mobile and Web application using **React.js**, **React Native, AntD, GraphQL, AWS Appsync,** and **AWS Amplify**.
- The success of EECS Roped in **$1 million** in funding from the stakeholders for the expansion of the next phase.
- Honored with **Special Recognition Award** for taking initiatives and implementing new features to streamline the support during turnaround for EECS, addressing each issue raised in less than 90 minutes.
- Won **HackWeek's Best Project** trophy, beating 14 other teams by building a Progressive Web App for site safety using **React.js**, **GraphQL**, **AWS Amplify**, **NodeJS**, Philips Hue and Zumo robot.

Zylotech, Boston, MA

Full Stack Developer Intern   Jul 2018 – Sep 2018

- Built Client Data Management Platform (CDM) to transfer and manage data in AWS S3 Buckets using **MongoDB**, **Express**, **React.js**, **Redux.js**, **NodeJS**, **Material UI**, and **AWS-SDK**.
- Recognized with **Excellent Design Proposal** title by Co-Founder for brainstorming and developing a Customer 360° Profile Page for Company's B2C application employing **React.js** and **Material Design** principles.

ACADEMIC PROJECTS

Multi-Threaded Client Server Chat Application   Sep 2018 – Dec 2018

- Developed a Slack-like Chat Application using software design patterns like Abstract Factory, Singleton and Proxy.
- Integrated features like personal chats, group chats, ability to join/leave groups, wiretap users and filter profanity. **Technologies Used**: Java, MVC, JPA, Hibernate, MySQL, JMeter.

Real-Time Bus Tracking Application   Mar 2018 – Apr 2018

- Developed a Bus Tracking Application utilizing real-time data from MBTA API and planning shortest route.
- Created an Uber-like tracking module for viewing the live location of any bus on Map using **Google Maps API**. **Technologies Used**: React.js, Redux.js, Web Sockets, Elixir, Phoenix, PostgreSQL, AJAX, REST, Swagger, Bootstrap.

Multiplayer Othello Game   Jan 2018 – Feb 2018

- Built a Multiplayer Othello game supporting unlimited observers and live chat system using Phoenix-Channels.
- Implemented heuristic-based minimax algorithm for the AI in single-player mode achieving 70% success rate. **Technologies Used**: React.js, Web Sockets, Elixir, Phoenix, Bootstrap.

Honest-E: A Complaint Management Android Application   Jan 2017 – May 2017

- Engineered an Android application to automate an existing age-old paper-based redressal system.
- Improved the complaint management processing time from 2 days to 2 hours.

Technologies used: Android, PHP 5, MySQL, RESTful Web Services, Apache, Genymotion.

TECHNICAL KNOWLEDGE

Languages:	Java, JavaScript, Node JS, Python, Scala, PHP
Cloud Technologies:	AWS EC2, AWS Amplify, AWS Appsync, AWS Lambda, Cloud Native, Serverless.io, VPS
Database Technologies:	MySQL, MongoDB, PostgreSQL, GraphQL
Web Technologies:	HTML5, CSS3, React.js, Redux.js, React Native, SASS, Babel, Webpack, Angular.js, jQuery