Amal Nazeem

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GitHub: TomatoToaster | LinkedIn: amal-nazeem | Website: https://tomatotoaster.com

Skills

Languages:	**Expert:** JavaScript(ES6), C# **Proficient:** PHP, Java **Familiar:** C++, Python, Racket
Frameworks/APIs:	React.js, React Native, Unity, Love2D, Webpack, Node.js, MySQL
Misc. Software:	Vim, Aseprite, VS Code, SQLite, Eclipse, IntelliJ, Google Cloud, AWS, Postman

Work Experience

Expensify: San Francisco, CA (Remote)   **July 2019 – August 2022**

Software Engineer: Generalist
- Worked across the techstack: Web Frontend (React, jQuery, HTML/Scss), Web API Layer (PHP), Backend (C++), External Integrations Server (Java) Mobile apps (React Native, native iOS Android)
- Built product improvements to Per Diem and Mileage Expenses to better serve traveling Expensify users
- Built authenticated transition from outdated website to modern React Native app as a key feature for the IPO
- Led end-to-end technical design of new Chat Rooms feature, collaborated with product managers, delegated tasks to a team of developers, and oversaw implementation
- Worked with Global Rescue® team in Pakistan to build travel insurance integration in Expensify booked flights
- Interviewed and presented for recruiting events at Howard University and Florida A&M University

Intuit (TurboTax): San Diego, CA   **July 2017 – Dec 2017**

Product Manager/ Software Engineer: Consumer Group STAR/DNA Team
- Drove TurboTax Shared Global Navigation, improving cross team development efficiency by 66%
- Redesigned and roadmapped TurboTax Bookmarks feature to improve customer impact and feedback
- Created Mint user survey to understand customer interest in TurboTax and competing tax software
- Wrote reusable React modules for TurboTax's Visual Refresh and published to npm registry for cross-team use
- Implemented A/B testing using Wasabi framework for detailed analytics on new cross platform features
- Rewrote front-end testing for TurboTax Start Experience using Nightwatch to vastly cut down deployment time

Projects

Virtual Reddit (reddit360.com and On GitHub): Reddit Browsing through VR
React 360, Redux, Reddit API, Node.js, Google Cloud
- Utilized React 360 to create smooth 3D user interface accessible on VR headsets and mobile phones
- Managed state changes across three screens using Redux and Thunk Middleware for asynchronous actions
- Created custom wrapper functions to leverage Reddit API and handled proxying and caching of images

Pick4Me (On GitHub): Polling for Quick Questions
Node.js, Express, React, MySQL, Google Cloud Tools
- Designed application to focus on user utility while avoiding addictive social media tendencies
- Utilized Webpack to set up lightweight development environment and ESLint to enforce structured coding style
- Leveraged Express & MySQL to create backend API and React & Semantic-UI to create seamless experience

Bathroom Status (On GitHub): Google Assistant App for Bathroom
Node.js, Google Actions API, Google Cloud Tools
- Developed Google Action so that bathroom availability is visible through any Google Home/Assistant device
- Used Google Cloud Tools to host application as inexpensive serverless Function

Education

Northeastern University: Boston, MA   **Sept 2015 – Dec 2018**

Bachelor of Science in Computer Science and Mathematics
Coursework: Computer Graphics, Programming Languages, Object Oriented Design, Algorithms, Database Design
              Cryptography, Advanced Linear Algebra, Group Theory, Real Analysis, Complex Analysis
Teaching Assistant for *Fundamentals of Computer Science I*