**Matthew Fallick**

**Senior Full Stack Developer** ♦ **10+ Years of Experience**

I am a senior full stack developer with many years of experience in web development who has primary skills in Javascript, Node, Python, C#, AWS, Javascript and React. I strive also to be a cooperative team player who not only learns from others but can also add to the strength of others to improve the overall output of the team.

**TECHNICAL SKILLS**

**Backend:** Node, Express, Nest, TypeScript, PHP, Ruby on Rails, Python

**Cloud:** AWS, Azure, GCP

**Frontend:** Javascript, React/Redux/Hooks, React Native, Angular, Vue, ES 6/7, Material UI, Bootstrap, HTML5/CSS3

**Testing:** Jest, Mocha, Jasmine, Webdriver IO, Playwright

**CI/CD:** Jenkins, Kubernetes, Docker

**EDUCATION**

**Georgia State University**

Bachelor’s degree in computer science

2010 - 2013

**PROFESSIONAL EXPERIENCE**

**Senior Full Stack Developer, PayPal ♦ San Jose, CA ♦ Remote Contract**

*Nov 2023 – Jan 2024*

* Worked on Paypal CMS and corresponding backend using React and Node
* Built Contentful and ECM components for headless CMS solution
* Built microservices using Ruby on Rails
* Built microservices on serverless environment using AWS Lambda, API Gateway, DynamoDB, AppSync, SNS, SQS, CloudFormation and more
* Used Jenkins for CI/CD
* Used React, TypeScript, Node to build CMS components
* Designed and implemented AWS network architecture supporting multiple workloads (web app, analytics pipeline, database) and environments
* Built an internal use admin web application from scratch using React and AWS serverless backend(API Gateway, Lambda, and SQS)
* Implemented automated and event-driven cloud security controls in AWS using Cloudtrail, Cloudwatch, SNS, and Lambda
* Integrated custom tools into web applications for batch data import, AWS S3 custom storage management and analytics process launching
* Discovered and implemented general AWS best practice cost savings actions
* State Management using with React-Redux, Context
* Used webpack to take modules with dependencies and bundle them into the static assets.
* Built the server side rendering features to improve the SEO
* Built the models with NoSQL (mongodb) for the user management
* Refactor JavaScript Legacy Code to TypeScript

**Senior Full Stack Developer, Facebook/Meta ♦ Menlo Park, CA ♦ Remote Contract**

*Jan 2022 – Oct 2022*

* Spearheaded the design and development efforts for a complex software application feature, leveraging PHP, React, and GraphQL to deliver a scalable and user-friendly solution that exceeded client expectations.
* Developed technical documentation for software applications, including comprehensive installation guides, API documentation, and troubleshooting procedures, ensuring seamless maintenance and support post-implementation.
* Identified and resolved production impact issues promptly, utilizing advanced troubleshooting techniques and collaborating with cross-functional teams to implement effective solutions and minimize downtime.
* Communicated effectively with stakeholders to gather requirements, provide project updates, and obtain alignment and approval throughout the software development life cycle.
* Implemented continuous integration and delivery pipelines using tools like VSCode, Mercurial, and Jenkins, streamlining the development process and improving overall efficiency and quality of deliverables.
* Stayed abreast of emerging technologies and industry trends, actively participating in professional development activities such as conferences, workshops, and online courses to enhance skills and expertise in PHP/Hack, React, JavaScript, and GraphQL.

**Senior Full Stack Developer, EmberTribe ♦ Cleveland, GA ♦ Remote Full time**

*Jan 2019 – Dec 2021*

* Developed Social Media Auto Poster app and Fraud Fighter app for eCommerce stores
* Worked with several different frontend frameworks in JavaScript/TypeScript(Angular, React, React Native, Redux, Hooks, NodeJS, NPMs), TypeScript and also HTML5, CSS3/SASS/LESS
* Used WebSphere, WebLogic, Oracle and PL/SQL in legacy CLEP app to update voucher order system
* Built microservices using Ruby on Rails
* Used Jira and Confluence for agile development
* Worked with Python, Node/Express, Next, PHP/Ruby on Rails on backend
* Created custom web components using JavaScript, React, ES 6/7, Material UI, Node
* Responsible for building and maintaining JavaScript/TypeScript applications that span multiple e-commerce platforms and online merchants.
* Designed and implemented AWS network architecture supporting multiple workloads (web app, analytics pipeline, database) and environments.
* Built an internal use admin web application from scratch using React and AWS serverless backend(API Gateway, Lambda, and SQS).
* Implemented automated and event-driven cloud security controls in AWS using Cloudtrail, Cloudwatch, SNS, and Lambda.
* Integrated custom tools into web applications for batch data import, AWS S3 custom storage management and analytics process launching.
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* Refactor Javascript Legacy Code to Typescript

**Senior Backend Developer, UBS ♦ Atlanta, GA**

*Oct 2015 – Dec 2018 (Full time)*

* Worked on a team of developers tasked with building a cross-platform, full-stack, progressive web application designed to control and analyze patient and staff flow around health clinics based Node.js/Express and ES6/7
* Developed UI/UX for financial application based on React and Material UI
* Developed supply-chain management web solution that utilized imagemagick and several API's and databases to serve print-ready files to print on demand manufacturers. This software was eventually licensed to a European print manufacturer.
* Transitioned an existing Backbone.js application to React.
* Redesigned, simplified, and implemented a new version of an existing alerting application that contained over 100 form fields and drastically reduced the amount of customer support calls with the simplified redesign.
* Developed a universal search feature for a customer-facing analytics application that allowed all of the application's data entities to be searched instantly within a single interface.
* Improved data fetching by leveraging GraphQL capabilities to narrow a set of queried fields.
* Setup Node/Express to implement Restful APIs
* Migrated a searching mechanism to utilize Elasticsearch’s superior full-text search functionality.
* Defined a styled-components UI theme and migrated the existing styling system into using it.
* Created the back end in Node.js as an AWS Lambda microservice, saving the clients from spending on upfront costs related to hosting.
* Created the data model and implemented it on MySQL (AWS RDS) using a denormalized design, improving querying performance by 6x.
* Technologies: AWS, DynamoDB, Lambda, AppSync, API Gateway, SNS, SQS, Javascript, TypeScript, React/Redux, Node/Express, MongoDB, AWS

**Backend Node/Javascript Developer, Juiced Bikes ♦ Los Angeles, CA**

*Dec 2014 - Sep 2015 (Contract Role)*

* Worked on building Juicedbikes.com store with various custom integrations
* Responsible for building all web-based applications written in Node/Express, Nest.js, Javascript, Typescript, React, Material UI.
* Redesigned the corporate website. Worked directly with the marketing and design team to improve older applications UI/UX.
* Developed and maintained automated test suite using Jest, Cypress, Selenium.
* Utilized multiple front-end frameworks and libraries, including React, Redux, Saga, Lodash, and Handlebars.
* Created a continuous deployment workflow using Docker, Heroku, and Nginx.
* Developed an automated framework for E2E testing that ensured that everything kept working well after changes and code refactorings.
* Created the system's admin portal using React and implementing multi-factor authentication.
* Converted the starting Node/React project into a production-ready solution using Docker, Heroku, and AWS.
* Maintained code for the insurance solution using Node, React, and MongoDB.
* Created a scheduled task for exporting information using Node.js.
* Developed custom websites using PHP, MySQL, and JavaScript.
* Wrote a framework to generate new custom websites with custom database back-end for improved roll out and prototyping.
* Converted a traditional web application to a single-page application using AJAX and a state management layer in JavaScript
* Worked with AWS EC2, Lambda, Serverless and DynamoDB.

**Freelancing Full Stack Developer ♦ US**

*Jan 2014 – Sep 2014 (Freelancing)*

* Companies: Optimize.ad, SocialRoot, RoamAround
* Technologies: PHP, Ruby on Rails, Node.js, Javascript, TypeScript, React, Angular, Vue, ES6/7, Material UI, jQuery, Bootstrap, HTML5/CSS3, D3.js, Mapbox, AWS