DENIS MOLLOY

denis.molloy@gmail.com   206-516-9335   Seattle, WA

www.linkedin.com/in/denismolloy   www.denismolloy.com   https://github.com/D-Molloy

Front End Software Engineer

Driven Front End Engineer with over a decade of experience in Project Management, Product Development, and Quality Assurance eager to break into the tech industry and start contributing. Thrives in environments where "wearing multiple hats" is the norm while ensuring technical requirements and product prerequisites are attained. Passionate about learning new technologies, teamwork, and exceeding expectations.

TECHNICAL SKILLS

Languages: JavaScript, HTML5, CSS3, SQL, GraphQL
Frameworks/Libraries: React.js, React Native, Redux.js, Node.js**,** Express.js, jQuery, Bootstrap, Materialize, Material UI
Cloud Platforms: Heroku, AWS (EC2, Elastic Beanstalk, API Gateway, Lambda, S3, IAM, CloudWatch, DynamoDB)
Databases: MongoDB, MySQL, Firebase
Testing: Mocha, Chai, Jest, Enzyme

EDUCATION

University of North Carolina at Chapel Hill, Chapel Hill, NC   2017
The Coding Boot Camp at UNC-Chapel Hill: Full Stack Web Development
An intensive 24-week program dedicated to designing and building full-stack web applications.

University of St. Thomas, St. Paul, MN   1997 - 2001
B.A. Quantitative Methods and Computer Science

APPLICATIONS BUILT

Thoughtline
Description: Thoughtline is a journaling platform built with the MERN stack that provides users with the ability to compose, archive, and share their thoughts about friends and loved ones. Using the React/Redux front end, users can create an account, store friends (either privately or they can connect with other Thoughtline users in order to share thoughts), compose thoughts about a particular friend, view a timeline of thoughts they've composed, send messages to other users, search through sent or received messages, search for users via email, and send invites to users to join the platform. Users are also able to convert their private friends (i.e. the private friend is not associated with an existing user) to an existing user, replacing the private friend's information with the existing user's information while maintaining all previously composed thoughts. Android/iOS apps are currently in development.
Technologies used: React.js, React Native, Redux.js, Material UI, Node.js, Express.js, JSON Web Tokens, RESTful APIs, MongoDB (mLab), Amazon S3, Heroku, Responsive Design

Node Image Microservice
Description: The Node Image API is a microservice which returns the requested original RAW image, or a resized version of the RAW image based on validated URL query parameters. When a request is received on the *RAW* endpoint, the existence of the image directory on the server is first verified, followed by the existence of the requested image, and then the original RAW image is returned to the user. If the server receives a request on the *resize* endpoint, the process is repeated, except that if the requested picture dimensions don't exist, the image is resized using the sharp npm package, it is saved in the appropriate directory for the requested dimensions to increase response times for future requests, and finally the resized image is sent back to the user.
Technologies used: Node.js, Express.js

APPLICATIONS BUILT (CONTINUED)

Blockchain-Explorer

Description: Blockchain-Explorer is a full-stack application that I created to learn how blockchain technology works on a code level. It allows the user to create a network of nodes, with each node housing an instance of the blockchain data structure along with all of the routes needed to connect nodes to the network, create transactions, mine blocks (complete with Proof of Work) and broadcast them to the network, use a Consensus Algorithm to verify chain validity, and search the node for blocks, transactions, or node data. The front end was built as an educational tool, guiding users through the process of working with a blockchain while being informed how a blockchain works at the code level.

Technologies used: HTML, CSS, Materialize, JavaScript, jQuery, Node.js, Express.js, NPM, RESTful APIs, Blockchain

PROFESSIONAL EXPERIENCE

University of Washington Professional & Continuing Education - Coding Boot Camp, Seattle, WA   2/2019 to Present

Primary Teaching Assistant

Instructs, coaches, and supports a cohort of over 50 students taking part in a coding boot camp that starts by teaching web development fundamentals (i.e. HTML/CSS/JS/Git) and concludes with students creating full-stack web applications utilizing the MERN (MongoDB, Express.js, React.js, Node.js) stack. Leads classroom discussions, guides student inquiries and helps develop critical thinking. Emphasizes the meta-skills and core concepts of software engineering. Supports students in their projects, coursework, and hackathons, while providing feedback and guidance to students to help create outstanding future developers.

TRILOGY EDUCATION SERVICES, Seattle, WA   12/2017 to Present

Senior Full Stack Web Development Tutor (Remote)

Tutor a roster of over 70 students taking part in Full Stack Web Development coding boot camps at leading universities throughout the US. Coach students and help unlock their potential in languages and technologies such as GIT, HTML, CSS, Bootstrap, JavaScript, jQuery, Node.js, NPM, Express.js, React.js, Handlebars, MongoDB, Firebase, and SQL.

TOPICS ENTERTAINMENT, Renton, WA   11/2014 to 10/2016

Product Manager

Oversaw language-learning product lines; executed all aspects of product development, production, quality assurance, e-commerce sales, and customer service. Interfaced with offshore software developers to ensure product vision, software stability, and delivery deadlines. Collaborated with replication and printing vendors, finding efficiencies while ensuring inventory forecasts met needs of salespeople and business requirements.

- Spearheaded development of retail Instant Immersion language learning product lines which shipped over 50k units in 2015 – 16, accounting for 43% of company's gross revenue.
- Overhauled TOPICS presence on Amazon in 3 months, streamlining active product catalog from nearly 3K titles (including legacy titles) to 894, enriching detail pages for marquee titles, and increasing weekly sales on newer product lines by 235%.
- Increased First Contact Resolution (FCR) rate on customer service emails by 40% through revised standards and procedures, and product implementations.