

Jesse Putnam

Great Barrington, MA

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Web Development Experience

My web development and integration work includes experience in the following ways:

- Creating scalable and extensible NoSQL databases with MongoDB.
- Creating ExpressJS servers to connect with MongoDB backends with schema and models for server-side data.
- Building app frontends with React, CSS, HTML, and templating languages such as Pug and EJS.
- Building authentication systems with PassportJS, including sessions and session storage, as well as email verification via SendGrid.
- Developing subscription payment systems with Stripe Connect integration.
- Creating custom search and filter systems for viewing inventories.
- Handling cloud image uploads via AWS S3.

Recent Work

- I was recently commissioned by Smash the Motherboard to build a web app for a Patreon-like creator-economy platform that allows users to connect to, interact with, and support local creators and artists through subscriptions.
- **Languages & Tools:** PassportJS, Mongoose ODM, Amazon S3, Stripe Connect, MongoDB, Node, Express.

Professional Experience

Freelance

Web Developer

Mar 2022 - Present

- Building full-stack, dynamic web apps using JavaScript, TypeScript, HTML, CSS, React, Node, Express, and more.

Middle School of the Kennebunks

Kennebunk, ME

Grade 6-8 Gifted & Talented ELA Teacher

Aug 2021 - Feb 2022

- Taught students identified as Gifted & Talented in Language Arts.
- Planned, created, and implemented curricula and lessons for high-achieving students.
- Instructed in high-concept topics at an accelerated pace using research-based pedagogical practices.

Springfield High School of Science & Technology

Springfield, MA

Grade 9 ELA Teacher

Jun 2018 - Jun 2021

- Designed curricula and implemented student-centered plans in the workshop model according to Common Core standards, current research, and best practices.
- Worked in a cooperative setting of 9th grade Language Arts teachers, contributing as both leader and participant in goal setting, time-tabling, and lesson-planning.

Skills

Languages/

Frameworks HTML/CSS, JavaScript, TypeScript, Node, Express, React

Tools Git, NPM, MongoDB, Mongoose, PassportJS, Webpack, Jest/Mocha, Firebase, SendGrid, AWS S3.

Soft Skills Teaching, Writing, Presenting, Curriculum Development, Lesson Planning, Project Management

Education and Courses

The Recurse Center

Brooklyn, NY

Programming Retreat Participant

Jun 2022 - Sep 2022

- Focus on data structures, abstract data types, and algorithms

UMass Amherst

Amherst, MA

M.Ed. in English Language Arts

May 2018

UMass Amherst

Amherst, MA

BA in English | Classical Civilizations & Languages

May 2012

References available upon request.