

# TREVOR PRATT

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Full Stack Developer with broad expertise across the MERN stack (MongoDB, Express.js, React, Node.js) and beyond. Eager to leverage technical skills to develop user-centric applications. Possesses a strong work ethic and a proven track record of dedication and precision from a technical background in semiconductor manufacturing.

## TECHNICAL SKILLS:

### Programming Languages & Frameworks:

- **Java & JavaScript (including ES6+) / TypeScript:** Proficient in Java for developing robust server-side applications and expert in JavaScript for web scripting, AJAX, and modern frameworks. Familiar with TypeScript basics to enhance code reliability and maintainability, showcasing versatility across both front-end and back-end development.
- **Angular, React:** Proficient in building dynamic, component-based user interfaces and single-page applications. Extensive use of Angular CLI for project scaffolding and Angular's ecosystem for front-end development.
- **Spring Boot, Spring, Spring Security:** Experienced in robust back-end development for enterprise-level applications, with Spring Boot for REST API framework, Spring for dependency management, and Spring Security for implementing authentication and authorization mechanisms (Basic and JWT).
- **Node.js:** Skilled in server-side scripting and efficient package management using npm, enhancing back-end performance and scalability.
- **Perl:** Proficient in scripting and automation, leveraging Perl for various backend tasks and data manipulation.

### Web Development Technologies:

- **HTML5, CSS3, Bootstrap:** Strong foundation in web layout and styling with responsive design principles. Proficient in using Bootstrap for designing responsive and attractive pages.
- **Express.js:** Adept in handling routing and middleware for web applications.
- **API Development:** Proficient in developing and integrating RESTful and GraphQL APIs.

### Database Management Systems:

- **MongoDB:** Knowledgeable in handling JSON-like documents and database scaling.
- **MySQL, PostgreSQL:** Proficient in SQL queries, database normalization, and ensuring ACID compliance.
- **Oracle:** Skilled in using Oracle Database for complex data storage solutions.

### Operating Systems:

- **Windows OS:** Familiar with GUI navigation and PowerShell scripting.
- **Unix/Linux:** Competent in shell scripting and process management.

### Development Tools & Software:

- **Microsoft Office Suite:** Proficient in document creation, spreadsheets, and presentations.
- **Visual Studio Code:** Skilled in source code editing with various extensions.
- **Eclipse:** Experienced with Eclipse as a Java IDE for back-end development.
- **Adobe Suite:** Experienced in graphic design, video editing, and multimedia projects.
- **Git:** Proficient in version control and collaborative coding practices.
- **VirtualBox:** Knowledgeable in creating and managing virtualized environments.
- **Maven:** Proficient in managing project dependencies and build configurations.

### Project Management & Quality Assurance:

- **Agile Methodologies:** Practiced in Scrum and Kanban for efficient project management.
- **Quality Assurance:** Experience in QA testing and bug tracking for software quality improvement.
- **Operational Efficiency:** Skilled in process optimization and automation to enhance project delivery.

## EDUCATION:

### MERN Full Stack Certificate, University of Texas.

Austin, TX. Jan 2023 — July 2023

Graduated from a rigorous 24-week curriculum at UT Austin's MERN Full Stack Bootcamp.

#### Gained expertise in:

- Core Technologies: HTML5, CSS3, JavaScript, jQuery, Bootstrap.
- Backend Technologies: Node.js, MySQL, MongoDB, Express.
- Frontend Libraries: Handlebars.js, ReactJS.

### Course in Progress: Docker for Beginners: DevOps for Java & Spring Boot

- Mastering Docker and DevOps principles tailored for Java and Spring Boot applications.
- Gaining hands-on experience in containerizing projects with React, Spring Boot, and other technologies.

### Course in Progress: Enhance Your Skill Set with Perl

- Engaging in an immersive course to learn Perl through lectures, live examples, and hands-on programming exercises.
- Acquiring skills in data manipulation, file management, and complex data structures to solve problems and automate tasks.

## PROJECTS:

**Tech Blog** | [Github.com/Trevorwp77/14-MVC-Tech-Blog](https://github.com/Trevorwp77/14-MVC-Tech-Blog) | [Twp-mvc-tech-blog-632648a365a8.herokuapp.com](https://twp-mvc-tech-blog-632648a365a8.herokuapp.com)

A dynamic and user-friendly Model-View-Controller (MVC) style blog site that allows users to create, read, update, and delete blog posts in a simple and intuitive manner. This application not only facilitates users to share their thoughts in the form of blog posts but also encourages interaction via a commenting feature.

#### Tools / languages used:

- JavaScript, Handlebars.js
- MySQL, Express.js
- Bcrypt, Dotenv

**React Portfolio** | [Github.com/Trevorwp77/20-React-Portfolio](https://github.com/Trevorwp77/20-React-Portfolio) | [Twp-react-portfolio.vercel.app](https://twp-react-portfolio.vercel.app)

This portfolio is a professional showcase of my work as a developer. It highlights key projects, outlines my technical skills, and provides insights into my experience.

#### Tools / languages used:

- React, Node.js
- Axios.js, Bootstrap

## PROFESSIONAL EXPERIENCE:

### Process Tech III, Toppan Photomasks, Inc.

Round Rock, TX. Apr 2018 — Present

- **Dedicated to high-quality work; proactive in problem-solving:** Continuously maintained high standards of workmanship and actively addressed and resolved process inefficiencies, showcasing strong analytical skills and a commitment to excellence.
- **Recognized training expertise:** Leveraged exceptional communication skills to educate numerous employees on advanced manufacturing toolsets, significantly enhancing team knowledge and cohesion. Acknowledged with awards for my commitment to quality and effective team upskilling.
- **Technical Proficiencies:** Demonstrated deep knowledge and expertise across a variety of software and operating systems, including Oracle, Microsoft Office Suite, Windows OS, and UNIX. Quick to adapt to new technologies, contributing to continuous process improvements.
- **Certified in Inspection, Repair and Metrology. Specialized tool sets: KLA 3xx, 5xx, STARlight & SLF:** Utilized these certifications to ensure the highest standards of quality control and operational efficiency.