

CHASE POULTON

FULL STACK DEVELOPER

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PROFILE

Fullstack Developer with expertise in designing scalable applications, API development, and data-driven solutions. Experienced in Java, Python, Node.js, and familiar with cloud-based architectures. Adept at optimizing application performance, database management, and building secure, high-availability systems. Passionate about backend problem-solving, automation, and cloud computing best practices.

EXPERIENCE

University of Tennessee, SWORPS

01/2023 - PRESENT

Knoxville, TN

Technical Coordinator

Lead the TN Strong Families Grant Program Help Desk, providing technical support for grant sub-recipients and program stakeholders. Maintain digital tools and web-based reporting systems, manage communication platforms, and develop support content to enhance service efficiency

- Developed a Python-based data transfer tool, ensuring efficient and secure handling of sensitive data (using Django) to support grant tracking and compliance.
- Designed and structured content for a new Strong Families support webpage, collaborating with the Front-End Developer to ensure accessibility compliance, intuitive UX, and efficient content management, while optimizing site functionality.
- Conduct quarterly and annual reporting, compiling and analyzing Google Analytics data to assess site engagement, inform content strategy, and enhance user experience.
- Produced instructional videos and training sessions on digital tracking tools, usability best practices, and structured data entry, ensuring smooth adoption by non-technical users.
- Led technical training sessions and provided guidance to stakeholders on digital tracking tools
- Created an easy-to-use system for tracking service documentation, ensuring accurate and efficient record-keeping for subrecipients providing services to mothers and families in Tennessee.

Quickstart

1/2024 - 6/2024

Remote

• Backend & Full-Stack Development Experience

- Developed and maintained full-stack applications using Python (Django), JavaScript (Node.js, React), and Express.js, implementing secure authentication, RESTful API endpoints, and database management.
- Designed and implemented backend logic for a crypto trading simulator (Death-Hodl) using Django, SQLite3, and Pandas, integrating CoinGecko API to fetch real-time cryptocurrency data and display interactive trading charts via Chart.js.
- Engineered a user authentication system using bcrypt for password hashing and JSON Web Tokens (JWT) for secure session management in a React-based forum application (BananaBooBoo).
- Integrated MySQL and PostgreSQL databases for data persistence, optimizing queries and improving data retrieval efficiency.
- Developed a data transfer application using Python and Django, ensuring accurate migration of structured data across different tracking systems.

• API Development & Integration

- Developed and maintained full-stack applications using Python (Django), JavaScript (Node.js, React), and Express.js, implementing secure authentication, RESTful API endpoints, and database management.
- Designed and implemented backend logic for a crypto trading simulator (Death-Hodl) using Django, SQLite3, and Pandas, integrating CoinGecko API to fetch real-time cryptocurrency data and display interactive trading charts via Chart.js.
- Engineered a user authentication system using bcrypt for password hashing and JSON Web Tokens (JWT) for secure session management in a React-based forum application (BananaBooBoo).
- Integrated MySQL and PostgreSQL databases for data persistence, optimizing queries and improving data retrieval efficiency.
- Developed a data transfer application using Python and Django, ensuring accurate migration of structured data across different tracking systems.

• Cloud Deployment & Hosting

- Deployed web applications using GitHub Pages, Hostinger, and Netlify, maintaining proper version control and planning for future scalability.
- Explored cloud hosting solutions to optimize deployment and uptime for portfolio and full-stack applications.

• Security & Performance Optimization

- Implemented OAuth, JWT authentication, and secure session handling, ensuring secure user authentication across applications.
- Developed structured database schemas for better indexing, query efficiency, and data consistency in SQL-based projects.
- Optimized frontend rendering and API requests to improve application performance and response times.

• Software Engineering & Problem-Solving

- Designed and implemented complex data models to manage structured and unstructured data effectively.
- Followed best practices in software engineering, including agile methodologies, version control (Git), and writing modular, maintainable code.

Personal Portfolio Website

11/2024 - 2/2025

Remote

CHASEPOULTON.COM

A personal portfolio website showcasing development skills, projects, and experience. Built to provide an interactive and visually engaging way for visitors to explore my work, learn about my expertise, and easily connect with me.

- Integrated a backend contact form using Formspree, enabling seamless user inquiries while maintaining a lightweight, serverless communication approach.
- Configured and managed domain deployment through GitHub Pages and Hostinger, with plans to transition to Netlify for enhanced backend deployment and server-side functionality.
- Developed a structured project showcase with dynamic content rendering, ensuring maintainability and easy scalability.
- Designed and implemented modern UI elements with interactive animations, ensuring an optimized experience while maintaining performance best practices.

Realty Executives

5/2018 - 11/2023

Knoxville, TN

Affiliate Broker - Media & Website Designer

- Developed and maintained a professional business website with live property listing search capabilities, integrating IDX services to pull real-time real estate data via API.
- Utilized cloud-based CRM and data management tools to track client interactions, analyze market trends, and streamline operations.
- Demonstrated leadership and problem-solving by successfully running an independent business, managing customer relationships, and implementing technical solutions to enhance efficiency and engagement.
- Applied analytical skills to evaluate housing market trends, using data-driven decision-making to guide clients effectively.

EDUCATION	SKILLS
<p>FAST TRACK ENTERPRISE DEVELOPMENT BOOTCAMP - COOK SYSTEMS</p> <ul style="list-style-type: none">• Java, Spring, PostreSQL, and Angular <p>SOFTWARE ENGINEERING BOOTCAMP - UNIVERSITY OF TENNESSEE</p> <ul style="list-style-type: none">• Python, MySQL, MongoDB, RESTful APIs, HTML, CSS, JavaScript, Agile/SCRUM <p>AAS COMPUTER PROGRAMMING - PELLISSIPPI STATE COMMUNITY COLLEGE</p> <ul style="list-style-type: none">• Java, SQL, Networking, .NET	<div><div><ul style="list-style-type: none">• Java• Spring• PostgreSQL• GIT• Github• PHP• React</div><div><ul style="list-style-type: none">• Node.js• EJS• C#• Docker• Kubernetes• Lombok• Azure</div></div> <div>LEARNING</div> <div><ul style="list-style-type: none">• AWS• Nelify</div>