

Christopher G. Banas

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EDUCATION BACKGROUND

Udemy Online Courses, (July 2023 – September 2023)

- Java Programming
- Java Data Structures and Algorithms

Hybrid Online Software Engineering Bootcamp, App Academy, San Francisco, CA (January 2023 – May 2023)

- Certificate of Completion for 560 hour curriculum of study

Bachelor of Science in Finance, Central Connecticut State University, New Britain, CT (August 2009 – May 2013)

- Dean's List (Spring 2011, Spring 2012, Fall 2012, Spring 2013)
- GPA: 3.49 on a 4.0 scale

Software Development Projects

Neighborhood Node: Fullstack Social Networking App for Neighborhoods (April 2023 – May 2023)

[Live Link](#) | [GitHub](#)

[Ruby on Rails, PostgreSQL, React.js, Redux.js, JavaScript, Node.js, HTML, CSS, Google Maps API, AWS S3]

- Created and integrated a PostgreSQL database adhering to Model-View-Controller (MVC) architecture and implemented a polymorphic table using Active Record for user likes data simplifying the database schema.
- Developed full CRUD functionality for user posts and likes implementing RESTful Backend API routes using Rails framework to handle HTTP requests for routes, model validations, and database constraints.
- Utilized the Redux with Rails cycle to develop efficient state management for application data of posts, likes, and users.
- Integrated with the Google Map API to present geolocation into post and AWS S3 Buckets for user photo management.
- Integrated with Facebook and Twitter APIs social sharing functionality, allowing users to share posts across platforms.
- Implemented full user authentication using bcrypt and a secure token-based authentication system.

Parrot Project Management: AI Based MERN Fullstack Project Management App (May 2023)

[Live Link](#) | [GitHub](#)

[JavaScript, Express.js, React.js, Redux.js, MongoDB, Node.js, Mongoose, Webpack, JSON, HTML, CSS]

- Built a dynamic Gantt chart that offers an intuitive data visualization of project timelines, dependencies, and milestones with real-time database updates to dynamically reflect user inputs utilizing Snap.svg, Moment, SASS, and Frappe.
- Built scalable React components integrating with OpenAI API to generate recommended tasks with one click.
- Incorporated live notification, built using WebSocket and Redis, that allowed all project members to receive instant updates on tagged activities.
- Managed a team of three engineers to synchronize Node backend with front-end efforts via Redux global state while managing Git and GitHub workflows such as branching and forking to ensure efficient collaboration and version control.
- Implemented full user authentication using JWT, Passport, Mongoose, and bcrypt.

Trader Radar: JavaScript-Based Dynamic & Interactive Stock Data Visualization (April 2023)

[Live Link](#) | [GitHub](#)

[JavaScript, JSON, HTML, CSS, Webpack, D3.js]

- Designed and implemented a comprehensive stock website leveraging JSON API expertise by integrating the Financial Modeling Prep, Nager, and World Time APIs, to fetch real-time stock and time data for dynamic data visualization.
- Constructed a heatmap data visualization utilizing a TreeMap algorithm, and generated through the D3 charting library.
- Integrated a stock search feature that rendered a 180 day candlestick chart and live market news for an individual stock.

PROFESSIONAL EXPERIENCE

Natural Dividends, Remote, CA; Co-Founder, Secretary and Treasurer (April 2020–January 2023)

- Customized Oracle for the company, including the chart of accounts, transaction processing, data visualization, grant tracking, and optimized the software for the company's growth.
- Implemented the company's software infrastructure, with > 20 apps including Oracle NetSuite, Salesforce, G Suite, Slack, and MS Office.
- Designed company website on Figma and deployed on WordPress, added custom CSS and HTML, and optimized for SEO with average search position of <10.
- Managed and optimized Google Ads campaigns utilizing Google Analytics, achieving >7% CTR.
- Continued to volunteer for the Board of Directors as the Secretary and Treasurer till present.

Mountaintop Financial Consulting, Remote, CA; *Founder, Financial Consultant* (February 2018–April 2020)

- Developed models and templates to analyze clients' financial data to save money and provided short-and long-term financial plans and achieved average cost savings of 15% and wealth gains of 20% through data-driven strategies.
- Led training seminars on Microsoft Excel, covering basic to advanced areas, including data manipulation, VBA, Macros, Pivot Tables, VLOOKUP, and INDEX MATCH and achieved 100% participant satisfaction and enhanced clients' data analysis skills.
- Taught clients to take control of their finances. Showed them how to plan finances, manage budgets, maintain positive cash flow, and select stocks, options, and bonds. Achieved average debt reduction of 25% and investment gains of 15%.

Thule Group, Seymour, CT; *Senior Financial Analyst, Financial Analyst* (September 2016–May 2019)

- Cleaned, organized, and analyzed data (in Oracle) on costs of thousands of items to establish trust in the system by creating company-wide standards for data quality and documentation.
- Reduced time to update standard costs for the database from 30 days to 3 hours by developing custom Oracle data export and import templates through systemizing processes, establishing orderly flows, and standardizing reports.
- Managed and merged data across organizational systems including AARO, Tableau, Pivot Link, QlikView, and Planful.
- Saved >\$2M in purchasing costs by developing the company's first systematic reporting to procurement and downloaded data from Oracle by building custom queries, and used macros and VBA to input and clean data in Excel.
- Merged data from NetSuite to facilitate the company's acquisition of a \$7M business.

Melissa & Doug, Wilton, CT; *Sales Operations Analyst, Sales Coordinator* (September 2013–September 2016)

- Standardized, scrubbed, mined, and managed data on accounts and developed forecasting reports (used VBA, SQL & Macros) and scorecards for the sales team providing comprehensive reports in <2 minutes.
- Managed a 6-person data support team while providing information about clients and transactions on immediate notice, detected potential churn, and built templates for reporting.
- Reduced support team time to upload images directly into Excel cells from one day to one minute by writing VBA code.

WTS Proprietary Trading Group, New York, NY; *Proprietary Equity Trader Trainee* (May 2013–July 2013)

- Traded equities by using probability-based logic, valuation models, and leading-edge technologies.
- Managed \$100K in equity assets, and analyzed stocks, options, forex, futures, derivatives, and bonds.

Northwestern Mutual, West Hartford, CT; *Financial Representative Intern* (September 2012–May 2013)

- Assessed clients' financial situations and goals, and created personalized plans for life, accident, and health protection insurance and retirement and investment planning (Vault Guide to Top Internships ranked the program as the top finance internship and the sixth best overall internship in the U.S.).
- Obtained the Series 63 and CT life/accident and health insurance licenses.

Central Connecticut State University School of Business, New Britain, CT; *School of Business Tutor* (January 2012 - May 2013)

- Tutored and mentored students in the subjects of finance, accounting, and economics.
- Completed the CRLA Level 1 Tutor course and obtained the certification.

MetLife, Glastonbury, CT; *Investment Broker Trainee* (June 2012–August 2012)

- Passed the Series 7 and worked in a summer investment brokering internship.

ACHIEVEMENTS/AWARDS

- U.S. President's Lifetime Achievement Award for Work at Natural Dividends (June 2022)
- Delta Mu Delta International Business Honor Society (May 2012)

COMPUTER SKILLS

Software Development: Full-stack Software Development, Database Development, UI Development, Web Development, Git

Programming Languages: Java, JavaScript, Ruby, Python, SQL, React, Redux, HTML 5, CSS 3, VBA

Business Intelligence & Analytics Software: Tableau, Oracle, Excel, NetSuite, Salesforce, AARO, Planful, Pivot Link, QlikView

Data Management: Data Mining, Statistics, Forecasting, Data Management, Data Modeling

Databases: PostgreSQL, MongoDB, SQLite3, MySQL, NoSQL, Oracle

Testing Libraries: RSpec, Jasmine, Jest, Playwright

Frameworks: Rails, Express