Joshua Becker | Software Engineer

joshua.becker91@gmail.com | 413-544-4853 | Spokane, WA |LinkedIn | GitHub

SUMMARY

Bright and motivated software engineer with a zeal for leveraging technology to improve business processes. Former portfolio manager turned software engineer with ten years experience in finance and business operations. Driven full stack developer passionate about disruptive technology and innovation, collaborating across multi-disciplinary teams.

CORE COMPETENCIES

Python, JavaScript, React, Flask, Django, Node, Express, MySQL, MongoDB, CSS, HTML, Bootstrap, AWS, Git, REST APIs

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TECHNICAL SKILLS

Languages/Stacks: Python, MERN, Java, JavaScript ES6 & ES5, CSS, HTML, SQL | **Frameworks & Libraries:** Django, Flask, React, Node.js, Mongoose, Express, Socket.io, Pandas, Numpy, Matplotlib, Spring MVC, jQuery, Bootstrap, Materialize
Databases: MySQL, SQLite, MongoDB | **Cloud:** AWS S3, Boto3, AWS EC2, AWS Route 53, Gunicorn, Nginx, WSGI
Web Technologies: RESTful APIs, Rest Controller, AJAX, Context API/Redux, GraphQL, Axios, Responsive Web Design
Tools: Git, Github, Terminal, GitBash, Powershell, VS Code, SpringBoot, Postman, JSON, Bcrypt, Jinja, Jstl, Jsx, MySQL Workbench, MongoDB Compass, OOP, smtplib, dot-env, Balsamiq | **Other:** Data Structures and Algorithms

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TECHNICAL PROJECTS

Lead Software Engineer | *CodeTube* | *GitHub Repo* | *mycodetube.com* | *54.153.114.188*   2022
Technologies used: Python, Django, JS, SQLite, Bcrypt, CSS, Bootstrap, HTML, Git, GitHub, AWS EC2, Route 53

- Created a full stack YouTube clone dedicated to software development, deployed with AWS EC2 and Route 53.
- Demonstrated proficiency with using Git and GitHub on a team with multiple contributors.
- Developed and installed full login and registration utilizing Bcrypt and validations, implemented access control to require login authentication for access to specific pages where appropriate.
- Integrated complete CRUD functionality where users can share, edit, and delete their own videos.
- Rendered videos randomly on the homepage to enhance user experience and make the application interactive.
- Created access controlled pages rendering data that belongs exclusively to that user as appropriate.
- Developed a python algorithm that transforms the youtube browser's video url into an embeddable url.

Software Engineer | *Google Clone with Ads* | *GitHub Repo* | *googleclone.com* | *54.183.210.137*   2022
Technologies used: React, Node, Express, MongoDB, Mongoose, Axios, API, HTML, CSS, JS, Material UI, Bootstrap, AWS EC2, Route 53

- Built a Google clone using Google's Custom Search API and useContext to demonstrate proficiency using APIs.
- Constructed a full stack application deployed with Amazon AWS EC2 instance and AWS Route 53.
- Created pay-per-click simulated advertisements with complete CRUD functionality using Node, Express, RESTful APIs via MongoDB, Mongoose, and Axios. Designed advertisement dashboard for managing ad campaigns.
- Designed and assembled the front-end with React and CSS clone styling done manually to demonstrate proficiency with CSS styling. Advertisement dashboard styled with bootstrap and Material UI for Google Icons.
- Rendered advertisements randomly and preference the highest bidder when visitors are searching the web.
- Initialized the billed total to accrue by the client's bid amount for each click when the ad is served and visitors click on the served ad. Ad dashboard displays a live preview of the ad in real time during CRUD via useState.

PROFESSIONAL EXPERIENCE

Full Stack Software Developer | *Fathers House | [GitHub Repo](#) | [fhspokane.com](#) | Remote*   2022-Present

- Hired by the organization to spearhead the complete design, buildout and implementation of Fathers House website - a clean, modern, and elegant full stack responsive web application deployed on AWS EC2 and Route 53.
- Entrusted and responsible for designing and installing payment system / technologies to replace the revenue source platform resulting in an increase of monthly revenue by over 40%. Implemented API for CRM intake.
- Technologies used: Python, Flask, JS, CSS, Bootstrap, HTML, API Integration, AWS EC2, Route 53.
- Utilized bootstrap and manual css styling to optimize user experience on multiple platforms (mobile friendly).
- Developed back-end with Python and using the Flask framework to ensure seamless delivery of the application.

Assistant Portfolio Manager | *3Sisters Sustainable Management, Inc. | Remote*   2021-Present

- Provide active management of the Scarab Global All Cap Fund ensuring funds are allocated appropriately.
- Execute and manage client capital via several allocations and strategies including: covered call program, options based income generating strategies, correlation pairs trading, as well as delta neutral alpha generating strategies.
- Monitor the day to day core portfolio risk levels and respond appropriately to market sentiment.

Professional Equities Trader | *Hold Brothers Capital, T3 Trading, SMB Capital | New York, NY*   2012-2021

- Managed firm capital with an allocation across several different tactile strategies and multiple timeframes.
- Executed entry and exit decisions for positions within the context of risk levels of the portfolio.
- Deployed multiple strategies: discretionary trend trading with equities and options, income generating strategies that generate alpha around the core investment portfolio, long/short strategies, advanced options strategies.

Business Operations Manager | *Adventure Rooms and Team vs Time | CT, NJ, IL*   2014-2018

- Developed and built multiple start-up businesses from vacant real estate to 100% operational and profitable.
- Negotiated leases, managed build-outs, managed construction projects and contractors. Met with and worked closely with town officials regarding planning, zoning, building department, etc.
- Served as a small business executive. Supervised, maintained and managed all day to day operations across all locations incl. management, logistics, accounting, payroll, HR, IP, scheduling, inventory, etc

PROFESSIONAL SKILLS

Creative Problem-Solving, Detail Oriented, Task Oriented, Self Motivated, Driven, Self Directed Visionary, Strategic Planning, Organization, Flexible, Adaptable, Coachable, Leadership

EDUCATION

Full-Stack Software Development Certificate | *Coding Dojo | Seattle, WA*   2022
Immersive Full-Stack Training Program with over 1,000 hours in Python, MERN, Java, and Web Development

Bachelor's of Science, Business Administration | *New England College of Business | Boston, MA*   2014

CERTIFICATES

Full-Stack Software Development Certificate | *Coding Dojo | 2022*

Algorithmic Thinking with Python: Foundations | *LinkedIn Learning | 2022*

Building React and Django Apps | *LinkedIn Learning | 2022*