DAVID VAUGHN

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EXECUTIVE SUMMARY

Software Developer with experience building Containerized Full-Stack Web Applications with Python, Django, JavaScript, React, and TDD.

Disciplined, motivated, creative, and innovative software developer, project manager, and problem solver dedicated to achieving significant results such as:

- Tripling high profile customer's business with current employer over the course of two years.
- Building user-centered scalable systems to manage upwards of 95% of business data.
- Creating and deploying Minimum Viable Product used immediately in production within two weeks of project assignment.

Utilizing modern development methodologies and technologies:

- JavaScript, React, and other front-end web technologies to build exceptional UX/UI.
- Expertise in Python and the Django ecosystem to build back-end solutions to complex problems.
- Test-Driven Development, CI/CD, feature flags, and other agile practices and principles to prioritize the end-user experience.
- Docker, Git, and GitHub to maximize automation, collaboration, and developer experience.
- SQL, ORMs, and Postgres to model business domains for effective data storage and retrieval.

Possessing great experience managing teams and personnel across business domains effectively, collaborating and communicating successfully with coworkers, customers, management, and vendors, and teaching and training technical skills. Seeking a full-time software developer position.

SKILLS AND TECHNOLOGIES

Highlights: Python, Django, JavaScript, React, Node.js, Express.js, Git, Docker, CI/CD, TDD

HTML5, CSS, Bootstrap, Responsive Design, Redux, Jest, Selenium, pre-commit, GitHub, Docker, Docker-Compose, Heroku, Postgres, ORM, Agile, Full-Stack Development, C++, C#, .NET, Bash, PowerShell, Windows, Linux, Embedded Systems, UI/UX, DX, JSON, REST API, Third-Party API Integration, Project Management, Smartsheet, Customer Service, Teamwork, Leadership, Learning

WORK EXPERIENCE

Project Manager, WPC Services LLC, Longview, Texas, May 2018 - Present
Role: *Software Developer*

Architected and programmed various computer applications using Python, JavaScript, and other tools to help achieve business goals. Worked collaboratively with coworkers and customers to develop software solutions to solve business problems.

- Built applications using Python and other technologies to automate inefficient and error prone data entry tasks, which saved time, increased workplace efficiency, and increased scalability. Applications accessed Smartsheet's REST API to further utilize data already in Smartsheet. Tasks included:
  - o Generating and printing labels for product shipments.
  - o Gathering and printing relevant business and technical documentation for customer orders.
  - o Creating CSV files for easy data transfer into other 3rd-party applications.

- Accelerated the quoting process by a factor of 2 to 4, by automating time consuming steps with a custom Django application. The application interfaced with Smartsheet and other 3rd-party software, involving:
  - Integrating with Smartsheet's webhooks to automatically monitor for initial quote data entry.
  - Extracting the relevant quote information via Smartsheet's REST API.
  - Communicating with Nest API via HTTP requests to access their specialized 2D Bin Packing application to compute material utilization and cost.
  - Extending the functionality of OMAX Make, an OEM provided waterjet application, by programming a custom CLI in Pascal Script.
  - Utilizing the extended functionality of OMAX MAKE to automatically generate cost and time estimations for waterjet services.
  - Writing derived quote data back to Smartsheet via REST API for final review and processing.
- Solved an ongoing issue for our largest customer account by producing a web application to track product shipments more precisely and generate additional shipment documentation. Steps involved:
  - Performing an on-site evaluation with the customer to determine what further shipment deliverables would best solve their processing issues.
  - Collaborating with coworkers to determine software application requirements.
  - Deployed Minimum Viable Product within two weeks of on-site meeting with customer.
  - Application capabilities included:
    - Generating custom product labels.
    - Tracking product per pallet and producing shipment manifests per pallet.
    - Producing customized Proof of Delivery documentation.
    - Archiving data for later retrieval.

Role: *Project Manager*
Developed new systems and standardized processes to manage and track key data as the business dramatically scaled, including transactions, customer orders, production, facility and equipment maintenance, inter-departmental communication, quoting, pricing, inventory, and task management using Smartsheet and any other effective means. The best of these processes have been adopted by shop management, and over 95% of production data is now managed by these systems.

Role: *Customer Account Manager*
Managed one of the largest customer accounts at WPC. Promoted to be the customer's direct account manager by the owner of WPC after the customer's successful onboarding phase. Striving for excellence in technical and operational service, over the course of two years the customer more than tripled their business with WPC in yearly revenue.

PROJECTS
Full-Stack Application
GitHub: https://github.com/letusgitcommit/simple_portfolio
Built with: Python, Django, Django Rest Framework, Postgres, HTML, Bootstrap, Docker, Gunicorn, PyCharm

React Single Page Application
GitHub: https://github.com/letusgitcommit/simple_react_app
Built with: HTML, CSS, JavaScript, React, React-Bootstrap, NPM, create-react-app