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# Robert Craig Wallace

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## Software Developer

I am a full-stack software developer with a background in diverse languages and frameworks. My passion lies in collaborating with teams to tackle complex problems and develop robust codebases. I thrive in environments where innovative solutions are needed, and I excel in taking applications from concept to implementation. My expertise ensures the delivery of high-quality enterprise software tailored to your vision. For more details on my experience and projects, please visit [RobertCraigWallace.com](http://RobertCraigWallace.com)

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## Professional Experience

**Vidado.ai (Acquired by SS&C), Oakland, CA - Full Stack Developer** 05/2020 - present

- **Full Stack Development:** Proficient in Django (Python), PostgreSQL, Celery/Redis, Redshift, Angular, and Pytorch
- **Data Management:** Managed Redshift database, created release migrations, solved ETL issues, and optimized reporting APIs (100x speed improvements). Enhanced PostgreSQL queries for admin pages (200x speed improvements) and designed utilization reports.
- **Cloud and DevOps:** Created tools to migrate 10+ million S3 objects, redirected image requests via Nginx, and maintained legal compliance by updating packages and addressing security vulnerabilities.
- **Machine Learning and Computer Vision:** Digitized billions of shreds using computer vision and machine learning. Fine-tuned document layout models, created long-text models, and integrated third-party OCR models with "plug and play" features.
- **Microservices and API Integration:** Linked microservices with token authentication, imported data via CSV/JSON files, and enhanced new user signup experience and custom subscriptions for user webhooks.
- **Error Handling and Debugging:** Reinforced applications with enhanced error handling and feedback, eliminated technical debt by refactoring code, and fixed long-standing bugs.
- **Team Collaboration and Leadership:** Proactively communicated with product, DevOps, QA, and professional services teams to push projects to completion. Improved PRs by adding tests, documenting steps, and providing demos.
- **Maintenance and Features:** Migrated app notifications from Slack to Teams, added Single Sign-On (SSO), improved self-serve experience with pre-made templates, and developed tools for professional services.

**STRATIM (acquired by KAR), San Francisco, CA - Full Stack Developer** 04/2019 - 03/2020

- Built and maintained a Java-based restful API and microservice architecture on AWS supporting 1.3 million daily calls, implemented extensive testing suites, optimized deployments with Jenkins and Python scripts, and improved unit test coverage and reusable services for 300+ customer organizations.

**Stellar Power and Worbond, Walnut Creek, CA - Software Developer (contracts)** 07/2018 - 12/2019

- Developed solar sales dashboards and CRM tools integrating calendars, custom maps, customer tracking, and communication features, leading UX and backend design and managing development teams.

**Sungrade Solar, Walnut Creek, CA - Software Developer** 09/2017 - 07/2018

- Created a CRM tool for customer entry, communication, and tracking
- Designed and built the app (UX and backend) and managed the dev team

**Reaction Learning - Educational Game Developer** 11/2016 - 09/2017

- Built the game "Reaction" in Unity3D with C#. Drew and edited images in Krita and GIMP, and created all animations for characters and effects in Blender

**Epic Systems, Madison, WI - Technical Services** 03/2016 - 11/2016

- Managed analysts, developed new functionality, and guided projects

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## Education

**Florida State University, Tallahassee, FL - BS in Biology, minor in Chemistry** 2010 -2014

- Honors Medallion, 35 on MCAT, graduated Cum Laude