

# JOSEPH DUELL

Philadelphia, PA · <https://duell.dev>

## TECHNICAL SKILLS

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Languages:	PHP, SQL, JavaScript, TypeScript, CSS/SCSS, C#, C++
Frameworks & Libraries:	Laravel, Slim, Angular, Doctrine
Databases:	MySQL, MariaDB, Percona, DynamoDB, PostgreSQL, Intersystems Caché
Testing Frameworks:	PHPUnit, Codeception, Selenium
Tools:	Docker, Git, CircleCI, Github Actions, Webpack, Gulp, Sentry, Acunetix, Google Analytics, AWS (EC2, ECS, ECR, CodePipeline, CodeBuild)
General:	REST APIs, SOAP APIs, Jira, Agile, Scrum, OOP, TDD

## EXPERIENCE

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### Fivebase, LLC

*Software Engineer*

New Jersey (Remote)

Nov 2016 - Present

- Full-stack software engineer with a focus on backend operations, primarily working with PHP, JavaScript, and Angular subject to client requirements. Deployed to both Windows and Linux servers.
- Corresponded with 20+ clients in primarily government and healthcare sectors to gather requirements, provide updates on project status, and ensure client satisfaction.
- Detected and resolved critical EDI compilation and transmission errors for a regional healthcare provider resulting in over \$10 million in savings.
- Implemented robust logging and security features for a national product distributor, resulting in the reduction of fatal application errors in a legacy ERP system by over 50%.
- Designed and implemented an EDI transmission system within an existing ERP system for a national product distributor, saving over 100 hours of manual data entry per week, and \$60,000 per year.
- Led initiative to modernize a bespoke legacy ERP system for a national product distributor and integrated CI/CD deployment using Bitbucket Pipelines resulting in a 60% gain in performance.
- Resolved security flaws in a legacy ERP application, resulting in a 100% reduction in system intrusions.
- Mentored a junior developer best practices, offering guidance and support through code reviews and pair programming. Delegated tasks to the junior developer and provided feedback to improve their skills.

### SugarBombed.com

*Founder and Engineer*

Jul 2015 - Sep 2017

- Maintained LAMP server architecture to successfully handle 5 million unique visitors a month.
- Oversaw efforts to grow user registration from 1,000 to 15,000 users in 6 months.
- Increased average user session duration by 750% by implementing a new user interface, user experience, and user engagement strategy.
- Delegated projects to volunteer staff members and managed the successful onboarding of 50 volunteer staff members.
- Coordinated and communicated with business partners to establish mutually beneficial relationships and secure exclusive interviews.
- Modified and created Xenforo 1.5 - 2.0 (PHP) plugins to improve and create functionality such as digital currencies, content sharing platforms, and a daily radio show.

## PROJECTS

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### Discord Bot (SpudBot) *PHP, SQL, Docker, AWS (RDS, ECS, ECR, CodePipeline, CodeBuild)*

An open-source bot I created for a local community Discord in Philadelphia that manages tasks such as tracking event attendance. The bot is on Github and was written with DiscordPHP/ReactPHP.

### Trigedasleng *Laravel, Docker, MySQL*

A community driven open-source dictionary based on the constructed language used in a TV show. I modernized and restructured the backend to be a RESTful web service.

## EDUCATION

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### Northampton Community College

Completed 30 credits towards a B.S. in Computer Science. Projects written in C++.

Bethlehem, PA

Jun 2019 - Nov 2020

*GPA: 3.9/4.0, Dean's List*