JOSEPH DUELL

Philadelphia, PA · https://duell.dev

TECHNICAL SKILLS

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

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

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

Northampton Community College
Completed 30 credits towards a B.S. in Computer Science. Projects written in C++.
GPA: 3.9/4.0, Dean's List

Bethlehem, PA
Jun 2019 - Nov 2020