BASIL THADDEUS

FULL-STACK DEVELOPER

basilthad@gmail.com
basil.am

[01] EDUCATION

University of California, San Diego

B.S. in Cognitive Science
Aug. 2021 - May 2025

[02] TECHNICAL SKILLS

LANGUAGES
Java, JavaScript, TypeScript
Python, PHP, HTML/CSS, C

FRAMEWORKS
React, Next.js, Node.js
Express.js, Electron.js, Tailwind CSS

DATABASES & INFRA
PostgreSQL, Supabase,
Redis, MongoDB, Docker

OTHER
Zod, Socket.IO, Git, WordPress

[03] PUBLICATION

The Multiple Platforms Effect (MPE): A quantification of how exposure to similarly biased content on multiple online platforms might impact users

Epstein, R., Newland, A., Peeler, T., & Thaddeus, B.
PLOS ONE, 2025

[04] PROJECTS

ECE USC Website

Apr - Aug 2023

JS, React, Node.js, Next.js, Tailwind CSS

- Rebuilt student org site as full-stack Next.js app replacing static site
- Next.js image optimisation cut load times on image-heavy pages

Password Manager

Feb 2022

JavaScript, Electron.js

- Cross-platform desktop app: local vault secured with bcrypt behind 16+ char master key

High Five Online

Jan 2021

JavaScript, Express.js, Socket.IO

- Real-time web app for two users to synchronously high-five via low-latency connections

[05] EXPERIENCE

Full-Stack Developer

July 2024 - Present

Confidential Startup
Remote

- Built an unreleased full-stack platform from scratch, including design and all pages · Next.js, React, TypeScript, Supabase, PostgreSQL, Redis
- Built wallet and card deposit flows with signature-verified payment webhooks and automatic reversal of refunds and chargebacks
- Enforced security at the database level with RBAC, row-level security on every table, and audit logging
- Built admin tools for payments, moderation, and reporting; added Redis rate limiting, Zod validation, and Docker deployment

Project-Based Web Developer

October 2026

Green Rock Management Group
Remote

- Redesigned bilingual (EN/HY) WordPress site for Tourism Regional Forum, an international event with government and industry speakers
- Collaborated with graphic designers to turn brand assets and event visuals into live, responsive pages on tight deadlines
- Worked with organizers and marketing staff to plan and build new pages, keeping speaker, agenda, and news content up to date

Programming Intern

Feb - June 2024

American Institute for Behavioral Research and Technology (AIBRT)
San Diego, CA

- Built survey and data-collection platforms in PHP and JavaScript for behavioral research studies
- Instrumented tools to log participant interactions and performance metrics in real time
- Co-author on a peer-reviewed research publication (PLOS ONE, 2025)

Software Programming Intern

Aug 2019 - June 2020

Energized Global Services
Yerevan, Armenia

- Trained in Java development at one of Armenia's largest tech companies alongside senior engineers
- Studied Java in payment terminal systems · transaction handling and device-level integration
- Led a small team through a group project, presenting weekly updates to internship leadership

Freelance Automation Developer

Sept 2018 - Mar 2019

Fiverr
Remote

- Designed and built custom Discord bots for 4-5 clients: auth, moderation, user management
- Built leveling, profile, rewards, and inventory systems for game-community servers
- Used MongoDB to host 100,000+ users' data with low latency