Joshua Stephen Kartes

Arvada, CO | 812-320-5772 | joshuakartes@gmail.com | **LinkedIn** | **GitHub**

FULL-STACK DEVELOPER

I am a software developer who transitioned from a full-time music career. I have a natural inclination for creating things, whether it is code or music. I combine the analytical skills of a programmer with the critical perspective of a consumer. I am driven by the passion to contribute to the development of new technologies and services that will inspire and empower other creative and innovative minds.

TECHNICAL & INTERPERSONAL SKILLS

Languages: JavaScript, HTML, EJS, CSS/Sass, Python, JSON, SQL
Libraries and Frameworks: Mongoose, Express, React, Node.js, Socket.IO, Django
Databases and other: PostgreSQL, MongoDB, RESTful Routing, OAuth, Git, GitHub, VS Code
Interpersonal skills: strong eye for aesthetic, detail-oriented, tenacity for quickly acquiring new skills, outgoing and engaging, strong drive to engender positivity in group settings

TECHNICAL PROJECTS

DeckDuel - GitHub | App - MongoDB (Mongoose), Express, React, Node.js, Socket.IO, Sass
Digital client for real-time, two-player strategy card game
- Implements user authentication and authorization via JSON Web Token
- Utilizes API to persist user, chat, card, and game data to a Mongo database
- Allows for real-time chat, from user profile or during game, as well as live gameplay, via Socket.IO

Gigamajig - GitHub | App - MongoDB (Mongoose), Express, Node.js, Socket.IO, EJS, CSS
Offers app client's customers an interactive platform to book services
- Ensures secure user registration and login using Google OAuth
- Allows users to maintain their own personal digital storefront, as well as to patronize other users' services

Checkers - GitHub | App - JavaScript, HTML, CSS
Fresh implementation of the classic board game, with some new rules options
- Offers a browser-based, UI-forward presentation of Checkers
- Uses CSS pseudoclasses to inform player of possible moves, differentiating between "normal" and "jump" moves

EXPERIENCE

Broadway Sings — Co-Founder, Arranger, Orchestrator, Music Director *New York, NY, 04/2012 – current*
- Create unique versions of hit songs, catered to Broadway performers, utilizing a 14-piece instrumental ensemble
- Manage rehearsal schedules and logistics for 30+ personnel
- Lead debut performances at large NYC concert venues as pianist and music director, in front of crowds of 600+
- Work with creative team to continue company brand and revenue growth, and to increase outreach

Theo Ubique Theatre Company — Interim Music Director, Arranger *Chicago, IL, 2006 – 2009*
- As music director, led ensemble of actors and instrumentalists in feature musical theater presentations
- Created and taught fresh musical arrangements
- Maintained rehearsal structure and exercised crucial task prioritization in a tight time frame
- Was awarded a Joseph Jefferson Award for best musical direction

EDUCATION

General Assembly *Remote, Certificate 02/2024*
Full-stack software engineering 500+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies

CS50x (Harvard/Stanford computer science course) *Remote, 2021*
Intro to the C language, low-level data manipulation, algorithms and system performance

Indiana University, Bachelor of Music (Composition, Piano Performance) *Bloomington, IN, Graduated 12/2005*