

JUSTIN R. GOGAS

SENIOR FULL-STACK SOFTWARE ENGINEER & JUNIOR COMPUTER ENGINEER

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EXPERIENCE

Owner & Chief Technology Officer

2018 - present, Forgotten Dimensions Escape Adventures, Erie, CO

- Directed technology architecture, development, and acquisition for a small interactive entertainment business.
- Designed, developed, and integrated hardware and software components into one software system: 30+ microcontrollers (Arduino, Teensy, Raspberry Pi), back-end server software (Java, PHP, SQL, and UNIX scripts on Debian 9), game engine PCs, and website front-end to fully control the guest experience.
- Designed, developed, and integrated customer-facing website with customized scheduling system and integrations to payment gateway processor (Stripe).

Application Developer & Integration Specialist

2011 - 2017, Embry-Riddle Aeronautical University, Daytona Beach, FL

- Integrated university systems with vendor systems utilizing web service and API technologies.
- Developed, tested, deployed, and supported multiple software systems (50,000+ lines of total code) to support university objectives and users across the world.
- Developed a custom form builder and framework using snippets that could be pieced together that reduced form development time from days to hours, with administrators able to access form submissions and data.
- Participated in agile lifecycle methodologies with a team of six developers.
- Utilized virtual machine server analogues (Virtualbox, Ubuntu) to production systems for development.
- Administered Oracle server deployments in a load-balanced environment (WebLogic 10g, HTTP Server).

Computer Science Staff II

2005 - 2011, United Space Alliance, Cape Canaveral, FL

- Full lifecycle (requirements, design, development, integration, testing, deployment, maintenance) production of several web database systems.
- Developed department software development standards, document templates, and metrics plan.
- Wrote 50,000+ lines of total code and more than 4,000 pages of documentation (requirements, design, testing, traceability, and user guide documents) across multiple software projects.

SKILLS

Traditional languages

C, C#, Java, Groovy, UNIX shell scripting, Python, VB, XML.

Web

ColdFusion 10, PHP 7, HTML 5, JavaScript, jQuery, CSS, SOAP/REST.

Database

SQL, Oracle, Hibernate, MongoDB.

EDUCATION

Embry-Riddle Aeronautical University

2013 - 2017, Daytona Beach, FL
BS in Computer Engineering,
Minor in Entrepreneurship.

Florida Institute of Technology

2006 - 2008, Melbourne, FL
MS in Software Engineering.

University of Central Florida

1999 - 2005, Orlando, FL
BS in Computer Science,
Minor in Digital Media.

PROJECTS

Interactive Adventure Control System

Web and server app built with Java, PHP, and networked embedded systems to control lights, sound, and other interactive devices.

Snapshot Generation Manager

App built with Java, ColdFusion, and UNIX shell to integrate data from university systems and third-party vendors via REST / SOAP APIs.

Faculty Payment Voucher

SaaS app with spreadsheet functionality to automate financial computations for faculty payroll.