

# 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 - 2018, 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.