

# ZACHARY PEDIGO | Software Engineer - Full Stack

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**Full-Stack Software Engineer** specializing in JavaScript and Python, with a deep expertise in crafting robust and user-friendly solutions tailored to evolving business needs. Lead creative problem-solving and collaboration with cross-functional teams, championing clear communication, and delivering results that align with corporate objectives.. Foster innovation, ingenuity and continuous learning to ensure best standards are utilized across complex projects and adhere to organizational needs. Experienced across multiple technologies, working across support, development and engineering functions.

## SKILLS

**Languages** - JavaScript, HTML, CSS, Python

**Libraries and Frameworks** - React, Node.js, Express.js, Django, Bootstrap5

**Database** - PostgreSQL, MongoDB, Mongoose, ORM, ODM

**Other** - REST-ful Routing, JSON, Project Management

## PROFESSIONAL EXPERIENCE

**Software Engineer** | Memorial Sloan-Kettering Cancer Center | New York City | 09/2023 - Present

**Infrastructure Engineer** | Memorial Sloan-Kettering Cancer Center | New York City | 02/2017 - Present

- Designing Javascript endpoint automation leveraging presence detection to reduce unnecessary screen-on time and prolong equipment lifespan.
- Designed a Python server to automate scheduled reboots of Cisco video conferencing endpoints, reducing unnecessary uptime in over 300 units across the institution.
- Design, build, and maintain videoconferencing-enabled rooms and videoconferencing infrastructure for a global leader in cancer treatment and research.
- Contribute to development of new conferencing technologies and standards, reducing system complexity and eliminating reliance on third-party services to facilitate hybrid and agile collaboration institution-wide.
- Spearheaded initiative to re-design and update 24 video collaboration systems across 9 different Manhattan locations in the span of one year, coordinating with project-managers and stakeholders while adapting to challenges presented by Covid-19 and supply-chain issues.
- Work daily on system maintenance, service ticket triage, user training, and engagement to ensure consistent, reliable utilization of conferencing equipment.

**Software Engineer, Fellow** | General Assembly | Remote | 01/2023 - 07/2023

Successfully completed full-stack software engineering immersive in an intensive, 450+ hours of project management across product development, object-oriented programming, MVC frameworks, data modeling, and client strategies. Led team collaboration initiatives and developed a portfolio of applications including the following:

**Full-Stack Software Engineer - DateShuffle** - Crowdsourced Date Idea and Scheduling App

- Mobile-first React capstone project built on a MERN stack featuring full CRUD hitting all REST API calls.
- Utilized MongoDB and Mongoose.js to build a database with multiple one-to-many and many-to-many relationships.
- Built from the ground-up using Bootstrap React (Bootstrap 5) for clean styling and responsive UI.

**Full-Stack Software Engineer - JOYERN** - Task Gamification App

- Utilized a MERN stack (MongoDB, Express.js, React.js, Node.js, npm) to build a full stack application with full create, read, update, delete (CRUD) operations hitting all REST API calls.
- Implemented full authentication and authorization via JWT Auth and Bcrypt.

**Front-End Software Engineer - Itty Bitty BATTLE BOATS** - Player vs Computer Battleship Webgame

- Leveraged Javascript, CSS3, HTML5 to create a vibrant and fun-to-use UI.
- Built core system design around Javascript object classes to ensure easy adjustment and scalability of in-game mechanics.

**Audio / Visual Specialist** | Moffitt Cancer Center | Tampa, Florida | 02/2016 - 01/2017

- Oversaw the installation and utilization of telepresence resources throughout the institution.
- Leveraged technical strengths to deploy equipment, troubleshoot automation technologies, stream video content, and manage meetings using both cloud and on-premises telepresence platforms to ensure adequate communication and event coverage.
- Partnered with network production staff members and event leaders to integrate audio and video systems ensuring seamless televised cancer research events.

**Customer Success - Barista** | Buddy-Brew Coffee | Tampa, Florida | 09/2014- 01/2016

## EDUCATION

**General Assembly | Certificate - Software Engineering** | Remote

**University South Florida | Master of Music - Jazz Performance** | Tampa, Florida

**Hope College | Bachelor of Music - Jazz Performance** | Holland, Michigan

01/2023

Graduated 05/2014

Graduated 05/2012