



PROFESSIONAL SUMMARY

Vision-driven Senior Software Engineer with a proven record of powering operational excellence using technology, data analysis and management paradigms to achieve maximum impacts with minimum resource expenditures for leading organizations. Detail-oriented professional with keen interpersonal, communication and organization skills, as well as software development, implementation, and design expertise. Demonstrated passion for Defense and Space Systems, contributing to the next wave of innovation with dedication and creativity.

CORE COMPETENCIES

- Savvy Problem-Solving Skills
- Full Stack Development and Implementation
- Software Data Analysis
- Natural Curiosity and Eagerness to Learn
- Big-Picture Thinking
- Business Intelligence
- Design and Testing
- Versatile, Fast-paced
- Technophile

PROFESSIONAL EXPERIENCE

SENIOR SOFTWARE ENGINEER | RAYTHEON TECHNOLOGIES, RAYTHEON INTELLIGENCE & SPACE, EL SEGUNDO, CA, OCT. 2021 – PRESENT

- Responsible for technical development of software and firmware requirements architecture, design & integration of Antenna Low Power (LP), High Power Near Field (HPNF), and Far Field (FF) Chambers Test Systems.
- Conduct Preliminary Design Reviews (PDR), Critical Design Reviews (CDR) & Test Readiness Reviews (TRR).
- Participate as a Subject Matter Expert (SME) in software design reviews across multiple programs as well proposal efforts, technical leadership, & oversight of software and firmware design teams.
- Spearhead implementation of product development processes, deployment and improvement of design processes, and road map alignment.

SOFTWARE ENGINEER | RAYTHEON TECHNOLOGIES, COLLINS AEROSPACE, LOS ANGELES, CA, MAR. 2021 – OCT. 2021

- Software Lead on for a program that assesses risk in future bid by foreseeing hinderance in implementations, leveraging prior builds.
- Demonstrate leadership and facilitate career development by mentoring budding software engineers.
- Ship software solutions (Ada, C++, Python) within Military Avionics and Helicopters, Tactical, Communication and Maintenance Applications.
- Participate in daily, agile sprints to efficiently meet critical deadlines while reducing resource expenditures.

SOFTWARE ENGINEER, OPERATIONS | RUSH49 / TROLION APPS INC., EL SEGUNDO, CA, OCT. 2014 – MAR. 2021

- Engineered and launched a conversational Chatbot which draws upon a knowledge base and reliance factor to reply to users in real-time.
- Implemented front- and back-end features and processes that increased user traffic by 30 % using applied business intelligence; redesigned the customer account page to include features such as email subscription preferences, payment profile, contact support option
- Decreased fraud by 50% by implementing fraud detection suite. Developed a live ticketing integration using Galaxy Connect API
- Integrated live, timed ticketing with various partners utilizing Galaxy Connect API

SKILLS

PROGRAMMING/SCRIPTING LANGUAGES:

- **Proficient** in C++, JavaScript, Python, Java, SQL
- **Knowledgeable** in C, C#, Ada, HTML, CSS3, .NET
- **Familiar** with GO, PHP, Ruby, Swift, TypeScript, GraphQL

TECHNOLOGIES: RESTful APIs, MERN Stack

- **JavaScript** React.js, Node.js, Express.js, Gatsby, jQuery
- **Python** Django, TensorFlow, PyTorch, NumPy, Keras, Pandas
- **Java** Hibernate, Spring, JDBC, Apache, Junit

TOOLS: Systems Architecture, MongoDB, Express.js, React.js, Node.js (MERN Stack), Java Web Development, MySQL, Postgre SQL, Amazon Web Services(AWS), Heroku Cloud Services, GitHub, Continuous Integration, Containerized Microservices Architecture, Docker/Kubernetes, Maven/Atlassian, Bootstrap, Agile Development, UNIX, Virtualization/Visualization, MATLAB, LabView, Object-Oriented Programming, NetBeans, Eclipse, Visual Studio Code, IntelliJ, Atom, MySQL, Xcode, ML applications, Neural Networks, Deep Learning, Git, JIRA, Jenkins

EDUCATION AND CREDENTIALS

BACHELOR OF SCIENCE (B.S.) IN COMPUTER SCIENCE, AUGUST 2020 (GPA: 3.5/4.0) | CALIFORNIA STATE UNIVERSITY, DOMINGUEZ HILLS

Relevant Coursework: Analysis of Algorithms, Software Engineering, Data Structures, Programming Languages, Operating Systems

RELEVANT PROJECT WORK & OPEN-SOURCE CONTRIBUTIONS

CHATBOT, HOUSTON SPACE CENTER (PYTHON) | [GITHUB](#) | [DEMO](#) | FRAMEWORKS: TENSORFLOW, NATURAL LANGUAGE TOOLKIT, NUMPY

- Leveraged machine learning, deep learning & neural networks to relay responses based on a confidence factor.

ADDITIONAL INFORMATION - LANGUAGES: SPANISH; **INTERESTS:** TRAVELING, HIKING, SPACE EXPLORATION, FANTASY FOOTBALL, CHELSEA FC, BASKETBALL