

PAWAN CHANDRA

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Clearance: **Top Secret(2020)** | Github: p-chandra

EDUCATION

California State University, Fullerton

Fullerton, CA

- **M.S.** - Computer Science
- Software Architecture and Development

Dec **2023**

California State University, Sacramento

Sacramento, CA

- **B.S.** - Computer Science
- Certificate Information Assurance and Security (CNSS 4011 4012)
- Association for Computer Machinery, International Collegiate Contest, Dean's Honor list

Dec 2019

EXPERIENCE

Boeing

Long Beach, CA

Embedded Systems Software Engineer

Mar 2022 – Present

- Created over 100 high and low level software engineering requirements.
- Tested codes on real time operating systems using C/C++ and git for code management.
- Took on the SCRUM master role utilizing AGILE methodology.
- Generated reports and metrics to present to the higher ups using tools like EazyBi and Jira.

Northrop Grumman - Peraton

San Diego, CA

Cyber Operations Engineer

Jun 2020 – Mar 2022

- Performed dynamic and static code analysis for many projects, reviewed over 1000s of lines of code.
- Learned the basics of radio frequency modulation, demodulation, MIL-STD 1553, and JANUS underwater communication.
- Reverse engineered software extracted from hardware, commonly written in PPC and X86.
- Setup, imaged, and created IP addresses/subnet masks for servers and operation boxes.

California Environmental Protection Agency

Sacramento, CA

IT Specialist/Procurement Intern

Jul 2017 – Jul 2018

- Diagnosed and troubleshoot computing and networking errors (subnet mask, IPv4, IPv6).
- Reimage laptops, tablets, and desktops.
- Fixed over 100s of PC related issues.
- Promoted to procurement and Introduced to FiSCAL and introductory accountancy.
- Create bids for hardware and software technologies for all of the CalEPA branches.

PROJECTS

DuplicAgent Insurance Website

Jan 2019 – Dec 2019

- Implemented the Contact Agent requirement for the DuplicAgent Insurance website.
- Wrote frontend in React and backend in Python/Django.
- Practiced Agile Scrum methodology using product backlogs, sprint backlogs, and biweekly sprints.
- Program passed user credentials and sent emails to available agents using Django and react APIs.

SKILLS

Language + Tools

- Java, C/C++, Python, Kotlin, React, Matlab, Perl, Bash, HTML, XML, x86, Scripting
- Git, Jira, Linux Terminal, Agile Scrum, Docker, GDB, Tableau, RESTful, IDA Pro, Ghidra, Ridare2

Hobbies

- Raspberry Pi projects, Soccer, Tennis, Snowboarding, Video games, Cooking, Woodwork, Cars, and more.