

JOON CHANG | SOFTWARE ENGINEER

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TECHNICAL SKILLS

Languages | JavaScript, HTML, CSS, JSON, Python, C#, TypeScript, Ruby, SQL, KQL

Framework/libraries | jQuery, React, Bootstrap, Node.js, Express, Playwright, Pytest

Tools | Git/GitHub, Visual Studio, Visual Studio Code, Postman, Grafana, Jira, Confluence

Databases | MongoDB, Mongoose, Firebase

PROFESSIONAL EXPERIENCE

Integrations Engineer | *BillGO*

Mar 2022 – Nov 2023

- ♦ Designed biller data integrations using C#, JavaScript, Playwright, and custom tools within the Agile-Kanban framework to ensure data integrity for high-impact services and to contribute to revenue generation.
- ♦ Spearheaded the independent creation of new integration methods and procedures for the ICM team.
- ♦ Fostered a collaborative working environment by readily supporting teammates with expertise in regex, JavaScript, and Playwright, and by conducting code reviews to ensure data integrity.
- ♦ Utilized data analytic tools (Grafana, KQL) to prioritize integration tasks based on impact and revenue.
- ♦ Pioneered the implementation of coding conventions for Playwright integrations, aiming to enhance code readability and provide guidance for new engineers, leveraging Confluence for documentation.
- ♦ Authored a Python script and GitHub Action workflow for enhancing PR review transparency, using Pytest for unit testing.

HP Facilities Maintenance Engineer | *S7 Sea Launch*

Apr 2018 – May 2019

- ♦ Managed projects for spacecraft processing facility systems maintenance, upgrade, and repair.
- ♦ Maintenance and troubleshooting on operation support equipment.

Facility Engineer | *Energia Logistics*

Jun 2011 – Apr 2018

- ♦ Generated and revised standard operating procedures for facility systems and building automation system.
- ♦ Provided CAD support with AutoCAD, SketchUp, and Visio.
- ♦ Created a customized work order system program using Access, VBA, and SQL.

Staff Engineer | *Astrotech Space Operations*

Nov 2005 – Jun 2011

- ♦ Inspection, testing, and calibration of spacecraft operation support equipment and infrastructure.
- ♦ Streamlined data reporting process with EXCEL/VBA macros.

PERSONAL PROJECTS

Projects on Github | tetris, scatter, vocabhelper, svgartiste

EDUCATION

The Complete Node.js Developer Course (3rd Ed.) | *Udemy*

2021

HTML, CSS, JavaScript, jQuery, SQL, C++, Python, Ruby | *SoloLearn*

2019 - 2021

Aerospace Engineering, B.S. | *University of California San Diego*

2005