Kevin D. Kim

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Experience

Foundry Services Portal Modernization - Full Stack Developer March 2022 – Present

Intel Corporation - Intel Foundry Services *Chandler, AZ*

- Developed CICD pipeline using Github Actions, integrating automated scanning, linting, testing, building, and pushing containerized docker apps, with Kubernetes deployment to Azure
- Addressed last minute authorization security gap for internal design application - using Microsoft DownstreamAPI and Azure to only allow specific applications with authorized clientIds + client secrets to call REST endpoints - **Division Recognition Award Q2'24**
- Completed stretch goal of porting over legacy Node.JS internal design app to .NET web app with React to integrate into IFS infrastructure
- Developed reusable generic + fluent based API to replace 20+ APIs in microservice architecture for hotlinking feature - **Division Recognition Award Q1'24**
- Developed a full-stack web application using .Net Core, React, GraphQL, PostgreSQL, Docker, and Apigee to reduce release times of internal and external vendor IPs - **Division Recognition Award Q3'23**
- Designed and implemented multi-threaded redlock image processing encryption feature for embedding watermarks onto .png/.svg/.mp4 using ffmpeg - **Division Recognition Award Q4'23**
- Lead team in emergency penetration test of IFS 2.0 Portal per external customer request addressing SQL injection, XSS, CSRF - **Division Recognition Award Q4'22**
- Automated notification jobs using Quartz.Net based off specfic states, soft deletion for specific records, and file uploads
- Created full stack user based preferences to allow upsert + delete by using MongoDB, Dapper, GraphQL, React, and Apollo
- Defined back-end and front-end standards/documentation for team to use SOLID, Clean architecture, pure functional components, declarative + functional programming, and gang of four design patterns

Advanced Process Control - App Developer Sept. 2020 – March 2022

Intel Corporation - Logic Technology Development *Chandler, AZ*

- Reduced TD cost by 15% implementing higher order grid terms to prevent wear of wafer tables in ASML scanner using WCF services house in custom .NET framework app
- Ported over legacy process litho apps from VBScript to C# and MATLAB to improve overall DX for development speed + debugging
- Automated framework audit with Powershell, JMP, and Python into auditing dashboard

Lithography Metrology - Process Engineer Jan. 2019 – Sept. 2020

Intel Corporation - Litho Metro *Chandler, AZ*

- Lead passdown by delegating responsibilities for entire team including engineers/technicians/shift group leads to improve velocity, yield, quality, and safety
- Implemented mission critical software and firmware to automate preventative maintenance collaborating with Automation team
- Improved accessibility/ergonomic features of internal dashboard adding screen reader features, semantic html, and aria properties
- Analyzed tool health with parametric/defect data using SQL + JMP to identify problem tools

Education

University of Florida Gainesville, FL

Bachelor of Science in Chemical Engineering, Minor in Mathematics *Aug. 2014 – December 2018*

Technical Skills

Languages: C#, C++, Python, SQL (Postgres, SSMS, MariaDB, Oracle), Lua, JavaScript/Typescript, HTML/CSS, MATLAB, Powershell, Bash, Zsh

Frameworks: .NET Core, .NET Famework, XUnit, React, Node.js, Django, Flask

Developer Tools: Git, Docker, Microsoft Azure, Google Cloud Platform, VS Code, VIM, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: Magick.NET, SkiaSharp, AG grid, OAuth, Automapper, MediatR, Dapper, Entity Framework Core, HotChocolate, pandas, NumPy, Matplotlib