Kemal Tezer Dilsiz

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Summary

Looking to be a key contributor in a collaborative team of engineers where I can have a high business impact on platform architecture and grow my technical and interpersonal skills. Small commits and detailed code reviews keep the bugs away.

Experience

(tl;dr: ask me about localization pipeline, test automation, or config priority reorder)

Microsoft | Platform Core Team   REDMOND, WA | AUG '19 – CURRENT

- As the only dev proficient in both server side and client side in the team, I was able to play a critical role during design discussions and had a consistent trajectory of bettering myself both in hard and soft skills
- Primary owner of several high business impact core pieces:
  - ◇ Server-side Test/Deployment Automation | *Server Side*
    - ▷ Designed a pipeline to test Pre-Production Server Env against Release Candidate Client version
    - ▷ Supports easy onboarding of non-platform server services, to simplify automating across org
    - ▷ Automatically tests, creates bugs, monitors and blocks deployment accordingly
  - ◇ Localization pipeline | *Platform Tools*
    - ▷ Designed and developed the new localization pipeline end to end
    - ▷ A new Eng string gets translated to +100 different languages (+25000 files for +300 components)
    - ▷ Locale strings are validated and processed from Resx to Json to be consumed on client
  - ◇ Market detector (293 regions) | *Server side*
    - ▷ Optimized and implemented configurable market detection (cookies, settings, markets)
    - ▷ Unified market detection logic across WebXT sites to improve flighting and flexibility
  - ◇ New canvas onboarding | *Server side*
    - ▷ Assisted dozens of teams to become familiar with our architecture
    - ▷ Implemented the required routes/settings in server side for the new canvases
  - ◇ Fallback config resolver | *Client side*
  - ◇ Service Endpoints | *Client and server side*
- Backup contact for other high impact pieces:
  - ◇ App Diagnostics | *Client side*
  - ◇ Web Worker | *Client side*
  - ◇ Performance investigations | *Client and server side*
  - ◇ Deployment pipeline and publishing tool packages | *Server side*
- High business impact work items:
  - ◇ ExperimentId Config Priority | *Platform Tools*
    - ▷ Wrote a tool to dynamically reorder config priority in 40k files
    - ▷ Generated 50-100k validation scenarios dynamically and tested them
    - ▷ Used the tool to reorder ExperimentId config priority to make flighting simpler across organization
  - ◇ Web Component refactor | *Client side*
    - ▷ Designed and proposed a refactor of 4 libraries which were imported into +3000 files
    - ▷ Refactored Redux and React to be decoupled from the page rendering libraries
    - ▷ Allowed transition to Web Component based pages and unblocked -two weeks early- the biggest two canvases serving more than a billion views monthly
    - ▷ Lowered one of the main bundle sizes by 75-80% and greatly increased page performance
  - ◇ Inline Scripts | *Server side*
    - ▷ Designed and implemented a solution where server inline scripts would come from client side
    - ▷ Allowed the inline scripts to be tested and minified automatically and avoided server deployments
  - ◇ ETag support | *Server side*
    - ▷ Implemented ETag support for server side, allowing +30% of the requests to use ETag response

FactSet | OEMS Project   NORWALK, CT | JUL '17 – AUG '19

- Built dynamic UI generation based on FIX ATDL XML Schema processing +100k lines efficiently
- Cooperated on creating a C++ midlayer and Javascript frontend to handle messages from Java backend
  - ◇ Implemented Protobuf serialization and deserialization up to 1-million rows
  - ◇ Added sorting, grouping and filtering functionality up to three columns for grids
- Participated in a POC to prove frontend can handle the load of 1-million messages a second

Education

Lafayette College   EASTON, PA, UNITED STATES

Bachelor of Science in **Electrical & Computer Engineering Major**   *Aug '13 – May '17*