Setting Up VSCode

This is a suggested setup that will install all the extensions, and configure the coding rules and formatting that enforces the current coding standards.
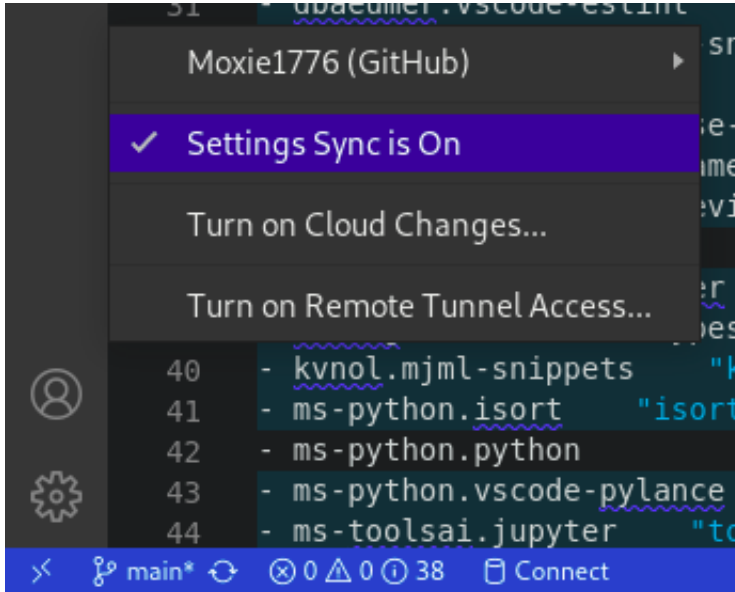
Current projects / languages that are in use

- Backend

  - Server application that serves data to the frontend website and also include automation routines

  - Python https://www.python.org/

    - MiniForge https://github.com/conda-forge/miniforge

  - MJML https://mjml.io/

- Client_React

  - Frontend website

  - React https://react.dev/

  - MUI https://mui.com/

  - Next.js https://nextjs.org/

  - Echarts https://echarts.apache.org/en/index.html

  - Typescript https://www.typescriptlang.org/

- GraphQL

  - This will replace web server that serves data to the frontend

  - Python will still hand automation routines

  - This will become an API website that will serve database data to anyone for any purpose
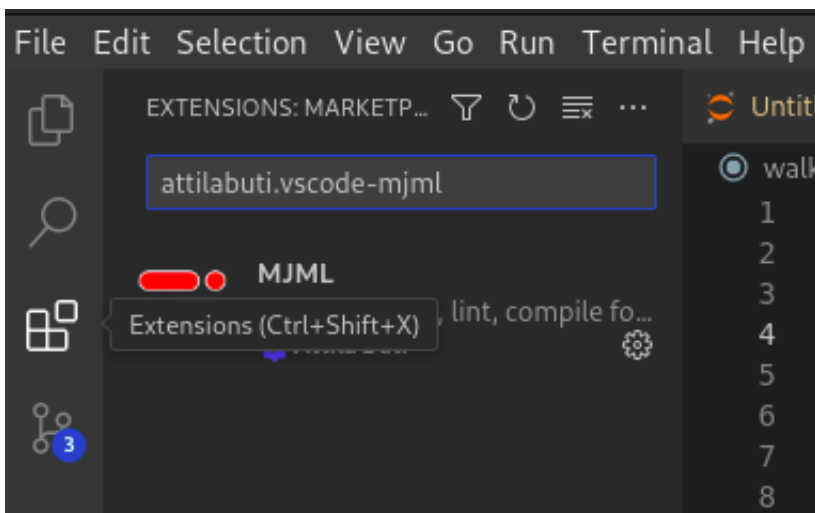
  - GraphQL https://graphql.org/

  - Prisma https://www.prisma.io/

- Nexus https://nexusjs.org/

- Typescript https://www.typescriptlang.org/

Turn on Settings Sync

This will syncronize the VSCode settings anywhere you use it.
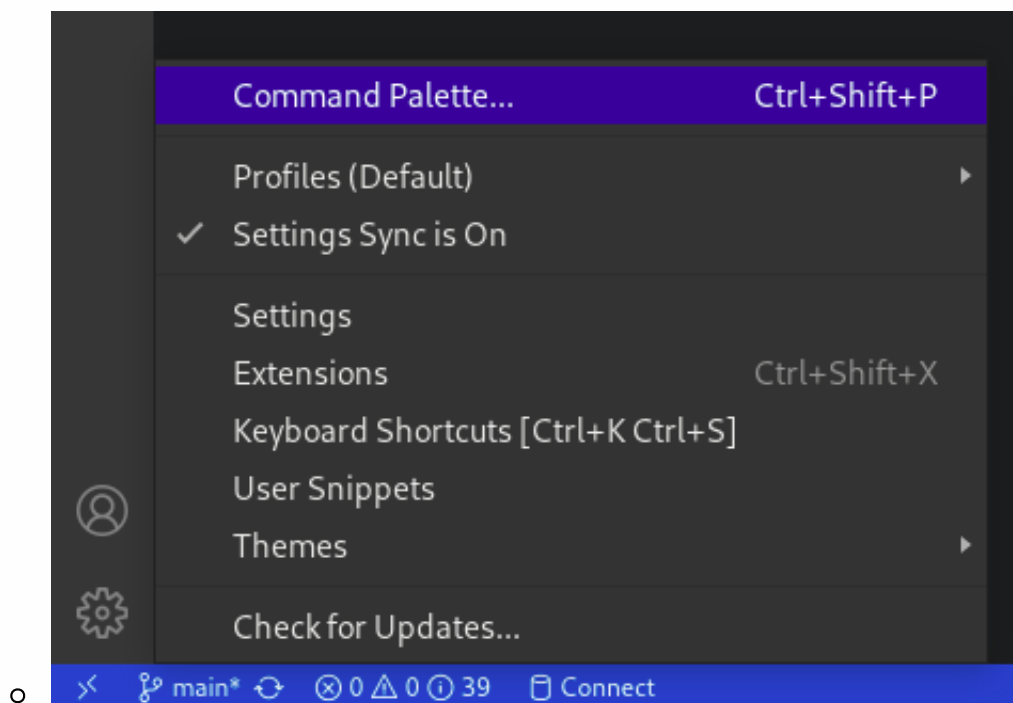

Install Extensions

- attilabuti.vscode-mjml

- dannyconnell.split-html-attributes

- dbaeumer.vscode-eslint

- dsznajder.es7-react-js-snippets

- esbenp.prettier-vscode

- formulahendry.auto-close-tag

- formulahendry.auto-rename-tag

- george-alisson.html-preview-vscode

- GitHub.copilot

- GrapeCity.gc-excelviewer

- infeng.vscode-react-typescript

- kvnol.mjml-snippets

- ms-python.isort

- ms-python.python

- ms-python.vscode-pylance

- ms-toolsai.jupyter

- ms-toolsai.jupyter-keymap

- ms-toolsai.jupyter-renderers

- ms-toolsai.vscode-jupyter-cell-tags

- ms-toolsai.vscode-jupyter-slideshow

- ms-vscode.atom-keybindings

- ms-vscode.live-server

- ms-vscode.test-adapter-converter

- mtxr.sqltools

- mtxr.sqltools-driver-pg

- njqdev.vscode-python-typehint

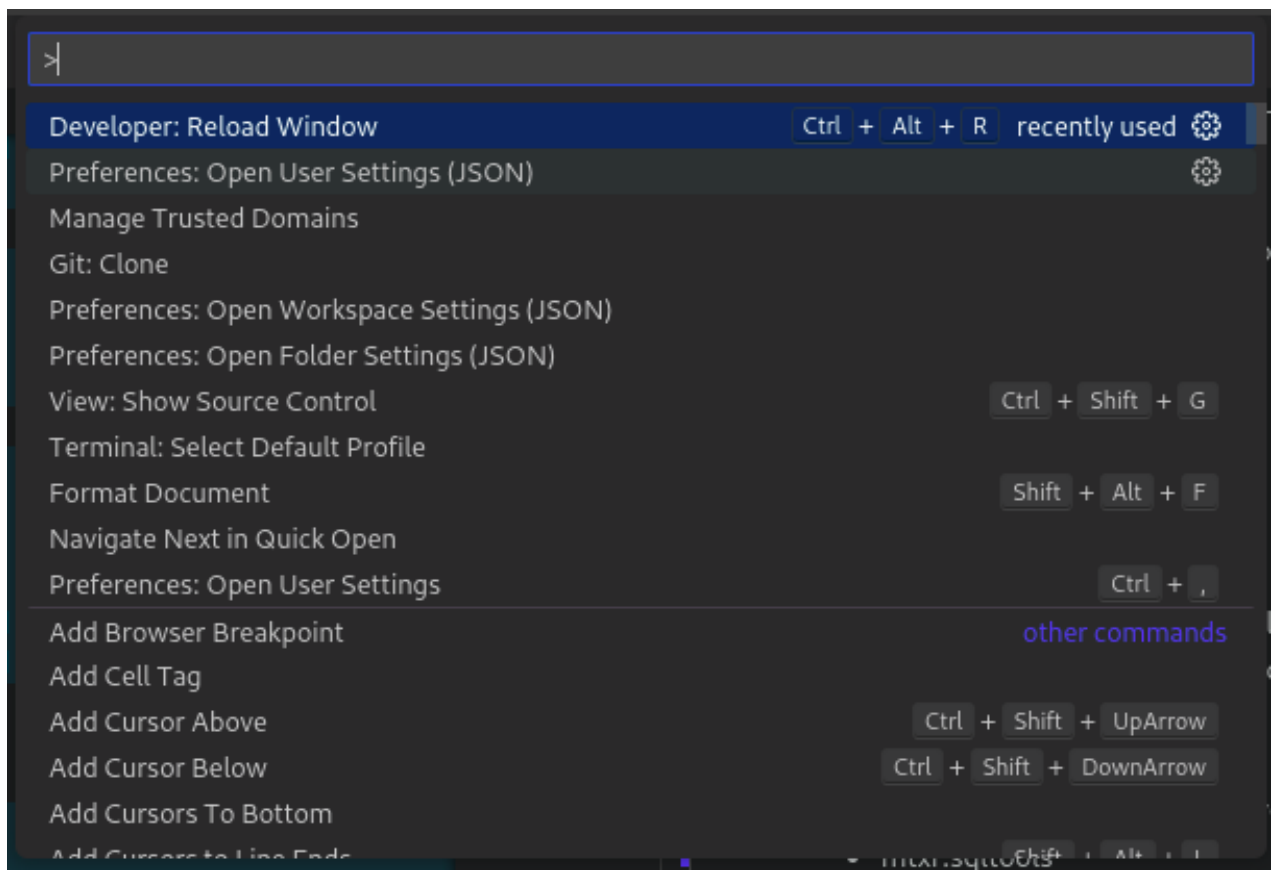- PKief.material-icon-theme

- Prisma.prisma

- qwtel.sqlite-viewer

- rvest.vs-code-prettier-eslint

- steoates.autoimport

- streetsidesoftware.code-spell-checker

- TsumiNa.Seti-theme

- usernamehw.errorlens

- yasht.terminal-all-in-one

- yzhang.markdown-all-in-one

Paste Configuration

- Open the Command Palette

    - ctrl/shift/p

    - Or open from the Manage icon

    -
Command Palette...	Ctrl+Shift+P
Profiles (Default)	▶
✓ Settings Sync is On	
Settings	
Extensions	Ctrl+Shift+X
Keyboard Shortcuts [Ctrl+K Ctrl+S]	
User Snippets	
Themes	▶
Check for Updates...	

        ✂ main* ⟳ ⊗ 0 ⚠ 0 ⓘ 39 ⧠ Connect

- Choose Preferences: Open User Settings (JSON)

- Paste in the following

```
{
  "cSpell.userWords": [
    "accum",
    "alexa",
    "allo",
    "ampm",
    "anand",
    "Arvl",
    "billto",
    "bopd",
    "bulma",
    "bwpd",
    "codegen",
    "COGCC",
    "Configurator",
    "cortana",
    "dataframe",
    "datagrid",
    "datasources",
    "dotenv",
    "drlg",
    "dropna",
    "Echarts",
    "echoshot",
    "echoshots",
    "excal",
    "flowback",
```

```
        "flowtype",
        "Gantt",
        "graphiql",
        "hookform",
        "Iadc",
        "Iconify",
        "ilike",
        "isnot",
        "iterrows",
        "itertuples",
        "Kanban",
        "languagedetector",
        "lifttypes",
        "lightplant",
        "linebreak",
        "mcfd",
        "mcfm",
        "mesaverde",
        "mjml",
        "munge",
        "newlang",
        "nextfield",
        "noapi",
        "notin",
        "notistack",
        "nprogress",
        "oild",
        "oilm",
        "openpyxl",
        "outerjoin",
        "Pason",
        "pbtd",
        "Perfs",
        "persistor",
        "pinnable",
        "pothos",
        "reduxjs",
        "Roboto",
        "scada",
        "setpoint",
        "shutin",
        "sicp",
        "signin",
        "signup",
        "simplebar",
        "siri",
        "sitp",
        "sqlalchemy",
        "stylis",
        "sublink",
        "Tubulars",
        "typegen",
        "typeorm",
        "waterd",
        "waterm",
        "Wellbore",
        "WEXPAT",
```

```json
      "Wexpro",
      "wexprobi",
      "wexreadonly",
      "wogcc",
      "Workover",
      "Workovers",
      "worktpe",
      "worktype",
      "worktypes",
      "xaxis",
      "Xdays",
      "yday"
    ],
    "editor.codeActionsOnSave": {
      "source.fixAll": true,
      "source.fixAll.eslint": true
    },
    "editor.detectIndentation": false,
    "editor.multiCursorModifier": "ctrlCmd",
    "editor.formatOnPaste": true,
    "editor.formatOnSave": true,
    "editor.formatOnType": true,
    "editor.foldingHighlight": false,
    "editor.inlineSuggest.enabled": true,
    "editor.suggestSelection": "first",
    "editor.tabSize": 2,
    "eslint.validate": [
      "javascript",
      "javascriptreact",
      "html",
      "typescriptreact"
    ],
    "files.autoSave": "onFocusChange",
    "git.terminalAuthentication": false,
    "github.copilot.enable": {
      "*": true,
      "plaintext": true,
      "markdown": false,
      "scminput": false
    },
    "http.proxyStrictSSL": false,
    "http.systemCertificates": false,
    "[html]": {
      "editor.defaultFormatter": "esbenp.prettier-vscode"
    },
    "[javascript]": {
      "editor.defaultFormatter": "esbenp.prettier-vscode"
    },
    "[json]": {
      "editor.defaultFormatter": "esbenp.prettier-vscode"
    },
    "json.maxItemsComputed": 7000,
    "[jsonc]": {
      "editor.defaultFormatter": "esbenp.prettier-vscode"
    },
    "jupyter.askForKernelRestart": false,
    "notebook.lineNumbers": "on",
```

```json
  "[python]": {
    "editor.codeActionsOnSave": {
      "source.organizeImports": true
    }
  },
  "python.analysis.completeFunctionParens": true,
  "python.experiments.enabled": false,
  "python.formatting.autopep8Args": [
    "--aggressive",
    "--indent-size=2",
    "--max-line-length=80",
    "--ignore=E111,E114,E121,E123,E126,E128,E226,E24,E701,E704,E722,W503,W604,W6]
  ],
  "python.formatting.provider": "autopep8",
  "python.languageServer": "Default",
  "python.linting.flake8Args": [
    "--ignore=E111,E114,E121,E123,E126,E128,E226,E24,E701,E704,E722,W503",
    "--max-line-length=80"
  ],
  "python.linting.flake8Enabled": true,
  "python.linting.pylintArgs": ["-—optimize-ast=y"],
  "python.linting.pylintEnabled": false,
  "[typescript]": {
    "editor.defaultFormatter": "esbenp.prettier-vscode"
  },
  "telemetry.telemetryLevel": "off",
  "terminal.integrated.defaultProfile.windows": "PowerShell",
  "terminal.integrated.inheritEnv": false,
  "[typescriptreact]": {
    "editor.defaultFormatter": "esbenp.prettier-vscode"
  },
  "workbench.activityBar.visible": true,
  "workbench.colorTheme": "Seti",
  "workbench.editor.enablePreview": false,
  "workbench.editor.highlightModifiedTabs": true,
  "workbench.iconTheme": "material-icon-theme",
  "javascript.preferences.quoteStyle": "single",
  "typescript.preferences.quoteStyle": "single",
  "prettier.jsxSingleQuote": true,
  "prettier.singleQuote": true,
  "[vue]": {
    "editor.defaultFormatter": "esbenp.prettier-vscode"
  }
}
```