Tab 1

Software Development Workstation Setup Guide

This document outlines the recommended setup for a software development workstation, ensuring optimal performance and efficiency for various programming tasks. This is a placeholder document, and specific details will be added as information becomes available.

# Hardware Specifications

* **Monitors:** Dual 4K displays are recommended for increased screen real estate.
* **Keyboard:** Mechanical keyboard with preferred switch type (e.g., Brown, Blue, Red).
* **Mouse:** Ergonomic mouse for comfortable long-term use.
* **Webcam:** High-quality webcam for video conferencing.
* **Microphone:** Clear microphone for team communication.

# Software Environment

## Development Tools

* **Integrated Development Environment (IDE):** (e.g., VS Code, IntelliJ IDEA, Visual Studio, Xcode)
* **Version Control System:** Git is essential for collaborative development.
* **Containerization:** Docker or Podman for isolated development environments.
* **Package Managers:** Language-specific package managers (e.g., npm, pip, Maven, Cargo).

## Utilities

* **Terminal Emulator:** (e.g., Windows Terminal, iTerm2, Kitty)
* **Cloud Storage Client:** (e.g., Google Drive, Dropbox) for backups and syncing.
* **Password Manager:** Securely store credentials.
* **Communication Tools:** (e.g., Slack, Microsoft Teams, Discord)

# Network Configuration

* **Internet Connection:** High-speed broadband or fiber internet is crucial.
* **Network Hardware:** Reliable Wi-Fi router and Ethernet cables.

# Workspace Ergonomics

* **Desk:** Adjustable standing desk to promote healthy posture.
* **Chair:** Ergonomic chair with good lumbar support.
* **Lighting:** Adequate lighting to reduce eye strain.

# Setup Checklist

* Unpack and assemble hardware.
* Install chosen operating system.
* Update all drivers.
* Install development tools and utilities.
* Configure network settings.
* Set up ergonomic workspace.