

Full Stack Snippets.

From [Chris' Full Stack Blog](#).

Bash

buildColorPrompt()

Letter-level color changes for your bash prompt!

From post: [Awesome Colors for Shell Prompts!](#)

buildColorPrompt.sh

```
function buildColorPrompt() {  
  
    # I always like showing what directory I am in (special character "\w" in  
    # PS1) - store the equivalent in this 'directory' variable  
    directory=$(pwd)  
  
    # Modify these to whatever you'd like!  
    PROMPT_TEXT="awesome-shell-prompt-colors@awesome-machine [$directory] "  
  
    # Colors seperated by comma - acceptable values are:  
    # black, white, red, green, yellow, blue, magenta, cyan, light gray, light  
    # red, light green, light yellow, light blue, light magenta, light cyan  
    PROMPT_COLORS="red,white,blue"  
  
    # Colors!  
    BLACK="\e[30m"  
    WHITE="\e[97m"  
    RED="\e[31m"
```

```

GREEN="\e[32m"
YELLOW="\e[33m"
BLUE="\e[34m"
MAGENTA="\e[35m"
CYAN="\e[36m"
LIGHT_GRAY="\e[37m"
DARK_GRAY="\e[90m"
LIGHT_RED="\e[91m"
LIGHT_GREEN="\e[92m"
LIGHT_YELLOW="\e[93m"
LIGHT_BLUE="\e[94m"
LIGHT_MAGENTA="\e[95m"
LIGHT_CYAN="\e[96m"

# End formatting string
END_FORMATTING="\[\e[0m\"

# split PROMPT_COLORS into array
count=0
IFS=','
for x in $PROMPT_COLORS
do
    colors_array[$count]=$x
    ((count=count+1))
done
unset IFS

# break PROMPT_TEXT into character array
letters=()
for (( i=0 ; i < ${#PROMPT_TEXT} ; i++ )) {
    letters[$i]=${PROMPT_TEXT:$i:1}
}

# build prompt with colors
color_index=0
ps1='\['
for (( i=0 ; i < ${#letters[@]} ; i++ )) {
    # Determine color in this giant case statement
    color="${colors_array[color_index]}"
    case $color in
        "black")
            COLOR=$BLACK
            ;;
        "red")
            COLOR=$RED
            ;;
        "green")
            COLOR=$GREEN
    esac
}

```

```
;;
"yellow")
    COLOR=$YELLOW
;;
"blue")
    COLOR=$BLUE
;;
"magenta")
    COLOR=$MAGENTA
;;
"cyan")
    COLOR=$CYAN
;;
"light gray")
    COLOR=$LIGHT_GRAY
;;
"dark gray")
    COLOR=$DARK_GRAY
;;
"light red")
    COLOR=$LIGHT_RED
;;
"light green")
    COLOR=$LIGHT_GREEN
;;
"light yellow")
    COLOR=$LIGHT_YELLOW
;;
"light blue")
    COLOR=$LIGHT_BLUE
;;
"light magenta")
    COLOR=$LIGHT_MAGENTA
;;
"light cyan")
    COLOR=$LIGHT_CYAN
;;
"white")
    COLOR=$WHITE
;;
*)
    COLOR=$WHITE
;;
```

esac

```
# add to ps1 var - color, then letter, then the end formatter
ps1+=$COLOR"${letters[$i]}"
```

```

    # reset color index if we are at the end of the color array, otherwise
increment it
    if (( $color_index == ${#colors_array[@]} - 1 ))
    then
        color_index=0
    else
        ((color_index=color_index+1))
    fi
}
ps1+=" $END_FORMATTING\]"

# Finally: set the PS1 variable
PS1=$ps1
}

# Set the special bash variable PROMPT_COMMAND to our custom function
PROMPT_COMMAND=buildColorPrompt;

```

Usage

```

# Assuming the buildColorPrompt function is in your .bash_profile:
# Set the special bash variable PROMPT_COMMAND to our custom function
PROMPT_COMMAND=buildColorPrompt;

```

sendSlackMessage()

Util function to send a Slack message from bash.

From post: [The Last Bitbucket Pipelines Tutorial You'll Ever Need: Mastering CI and CD](#)

sendSlackMessage.sh

```

function sendSlackMessage {
    curl -X POST -H 'Content-type: application/json' --data '{"text":"$1"}' $2
}

```

Usage

```

# the two parameters are 1. the message, and 2. the webhook url
sendSlackMessage "Hello World!" https://yourslackwebhookurl/secret/supersecret

```

buildColorPrompt()

Letter-level color changes for your zsh prompt!

From post: [Awesome Colors for Shell Prompts!](#)

buildColorPrompt.sh

```
function buildColorPrompt() {

    # I always like showing what directory I am in
    directory=$(pwd)

    # Modify these to whatever you'd like!
    PROMPT_TEXT="youruser@yourmachine [$directory]"

    # Comma seperated colors - as many or as few as you'd like
    PROMPT_COLORS="15"

    # This will be the color of everything in the input part of the prompt
    (here set to 15 = white)
    PROMPT_INPUT_COLOR="15"

    # split PROMPT_COLORS into array
    colors_array=("${@s/./}PROMPT_COLORS") # @ modifier

    # break PROMPT_TEXT into character array
    letters=()
    for (( i=1 ; i < ${#PROMPT_TEXT}+1 ; i++ )) {
        letters[$i]=${PROMPT_TEXT:$i-1:1}
    }

    # build prompt with colors
    color_index=1
    ps1=""
    for (( i=1 ; i < ${#letters[@]}+1 ; i++ )) {
        # Determine color in this giant case statement
        color="${colors_array[color_index]}"

        # add to ps1 var - color, then letter, then the end formatter
        ps1+="%F{$color}${letters[$i]}"
    }
}
```

```

    # reset color index if we are at the end of the color array, otherwise
increment it
    if (( $color_index == ${#colors_array[@]} ))
    then
        color_index=1
    else
        ((color_index=color_index+1))
    fi
}

# end color formatting
ps1+="%F{$PROMPT_INPUT_COLOR} %# "

# Finally: set the PROMPT variable
PROMPT=$ps1
}

# set the precmd() hook to our custom function
precmd() {
    buildColorPrompt;
}

```

Usage

```

# Assuming the buildColorPrompt function is in your .zprofile:
# Set the precmd() hook to our custom function
precmd() {
    buildColorPrompt;
}

```