NailzbyMaze Website - Node.js Deployment

Professional nail technician website with booking system integration.

Quick Start

Local Development

```bash
# Install dependencies
npm install

# Run in development mode
npm run dev

# Access at http://localhost:3000
```

Production Deployment

```bash
# Install production dependencies
npm install --production

# Start production server
npm start
```

Deployment Steps

1. DigitalOcean App Platform (Recommended)

1. **Push to GitHub**

```bash
git init
git add .
git commit -m "Initial commit"
git remote add origin https://github.com/yourusername/nailzbymaze-website.git
git push -u origin main
```

2. **Connect to DigitalOcean**

- Go to [DigitalOcean App Platform](#)

- Click "Create App"

- Connect your GitHub repository

- Select the repository

3. **Configure Build Settings**
   - Build Command: `npm install`

   - Run Command: `npm start`

   - Port: `3000`

4. **Deploy**
   - Click "Create Resources"

   - Wait for deployment to complete

   - Access your live website

2. DigitalOcean Droplet

1. **Create Droplet**
   - Ubuntu 20.04 LTS

   - Basic plan ($6/month recommended)

   - Add SSH key

2. **Setup Server**

```bash

```

```bash
# Connect to droplet
ssh root@your_droplet_ip

# Update system
apt update && apt upgrade -y

# Install Node.js
curl -fsSL https://deb.nodesource.com/setup_18.x | sudo -E bash -
apt-get install -y nodejs

# Install PM2 (process manager)
npm install -g pm2

# Install Git
apt install git -y
```

3. Deploy Application

```bash
bash

# Clone repository
git clone https://github.com/yourusername/nailzbymaze-website.git
cd nailzbymaze-website

# Install dependencies
npm install --production

# Start with PM2
pm2 start server.js --name nailzbymaze
pm2 startup
pm2 save
```

4. Configure Nginx (Optional)

```bash
bash

```

```bash
# Install Nginx
apt install nginx -y

# Configure reverse proxy
# Edit /etc/nginx/sites-available/default
# Add proxy_pass http://localhost:3000;

# Restart Nginx
systemctl restart nginx
```

5. **Setup SSL (Let's Encrypt)**

```bash
# Install Certbot
apt install certbot python3-certbot-nginx -y

# Get SSL certificate
certbot --nginx -d yourdomain.com
```

File Structure Setup

After deployment, ensure this structure:

```
nailzbymaze-website/
├── package.json
├── server.js
├── public/
│   ├── index.html (your website HTML)
│   └── images/
│       ├── logo-nav.png
│       └── logo-hero.png
├── .gitignore
└── README.md
```

Important Updates Needed

1. **Add your logo images** to `public/images/`

2. **Update logo paths** in `public/index.html`:

```html
```

```
<!-- Navigation logo -->
<img src="images/logo-nav.png" alt="NailzbyMaze Logo">

<!-- Hero logo -->
<img src="images/logo-hero.png" alt="NailzbyMaze">
```

Environment Variables

Create .env file if needed:

```
PORT=3000
NODE_ENV=production
```

Monitoring

Check Application Status

```bash
# With PM2
pm2 status
pm2 logs nailzbymaze

# Manual check
curl http://localhost:3000/health
```

Domain Setup

1. **Point Domain to Server**
   - Add A record: @ → your_droplet_ip
   - Add A record: www → your_droplet_ip

2. **Update Calendly URLs** in your HTML to match your domain

Troubleshooting

Common Issues

- **Port already in use**: Change PORT in .env
- **Permission denied**: Use sudo or check file permissions
- **Static files not loading**: Verify public/ directory structure

- **Calendly not working**: Check Content Security Policy in server.js

Logs

```bash
# PM2 logs
pm2 logs nailzbymaze

# Nginx logs
tail -f /var/log/nginx/error.log
```

Cost Estimate

- **App Platform**: $5/month (recommended for beginners)

- **Droplet + Domain**: $6-12/month (more control)

- **SSL**: Free with Let's Encrypt

Support

- DigitalOcean Documentation: https://docs.digitalocean.com/

- Node.js Documentation: https://nodejs.org/docs/