

# Spitbraai Automation Deployment Checklist

---

## Pre-Deployment Setup

---

### 1. Environment Configuration

- ☐ Copy `.env.example` to `.env`
- ☐ Configure Supabase credentials
- ☐ Set up Gmail App Password
- ☐ Configure Google Service Account
- ☐ Set PayFast merchant credentials
- ☐ Update business contact information

### 2. Database Setup

- ☐ Run `scripts/setup-database.sql` in Supabase SQL editor
- ☐ Verify all tables are created
- ☐ Test RLS policies
- ☐ Insert sample menu packages

### 3. Google Services Setup

- ☐ Create Google Cloud Project
- ☐ Enable Calendar API
- ☐ Create Service Account
- ☐ Download service account JSON
- ☐ Share calendar with service account email
- ☐ Extract private key and email for `.env`

### 4. Gmail Setup

- ☐ Enable 2-Factor Authentication
- ☐ Generate App Password
- ☐ Test email sending capability

### 5. PayFast Setup

- ☐ Configure merchant account
- ☐ Set up webhook URL
- ☐ Test in sandbox mode
- ☐ Configure production settings

# Deployment Steps

---

## Local Testing

```
# 1. Install dependencies
npm install

# 2. Build project
npm run build

# 3. Run tests
npm run test

# 4. Test in development mode
npm run dev
```

## Production Deployment

```
# 1. Use deployment script
npm run deploy

# OR manual deployment:
npm ci --only=production
npm run build
pm2 start dist/index.js --name "spitbraai-automation"
pm2 save
pm2 startup
```

## Post-Deployment Verification

---

### 1. System Health Checks

- ☐ PM2 process running: `pm2 status`
- ☐ Check logs: `pm2 logs spitbraai-automation`
- ☐ Monitor resource usage: `pm2 monit`

### 2. Integration Testing

- ☐ Create test booking in Supabase
- ☐ Verify email notifications sent
- ☐ Check calendar event creation
- ☐ Test payment link generation
- ☐ Verify shopping list generation

### 3. Webhook Testing

- ☐ Test PayFast webhook endpoint
- ☐ Verify payment status updates
- ☐ Check reminder email triggers

## Monitoring & Maintenance

---

### Daily Checks

- ☐ Review automation logs
- ☐ Check email delivery rates
- ☐ Monitor payment processing
- ☐ Verify calendar sync

### Weekly Maintenance

- ☐ Review error logs
- ☐ Check system performance
- ☐ Update dependencies if needed
- ☐ Backup configuration

### Monthly Tasks

- ☐ Review and optimize queries
- ☐ Update menu packages if needed
- ☐ Check API rate limits
- ☐ Security audit

## Troubleshooting

---

### Common Issues

1. **Email not sending:** Check Gmail App Password and 2FA
2. **Calendar events not created:** Verify service account permissions
3. **PayFast errors:** Check merchant credentials and webhook URL
4. **Database connection:** Verify Supabase credentials and RLS policies

### Emergency Contacts

- **Technical Support:** spitbookings@thysgemaak.com
- **Phone:** +27 67 456 7784

## Success Metrics

---

### Target Performance

- **Booking Processing:** < 30 seconds
- **Email Delivery:** > 95% success rate
- **Calendar Creation:** > 98% success rate
- **System Uptime:** > 99.5%

### Key Indicators

- New bookings processed automatically
  - Payment reminders sent on schedule
  - Shopping lists generated accurately
  - Zero manual intervention required
-

**Congratulations! Your Spitbraai Automation System is ready for production!**