

# Velmurugan Dhandapani

## Full Stack Developer

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### SKILLS

#### Python

- Django
- JSON

#### Node.js & React.js

- Javascript
- Typescript
- HTML, CSS, Less

#### Golang

- Gin-gonic

#### Cloud

- AWS
- GCP

#### Database

- PostgreSQL
- Cassandra
- MySQL
- Elasticsearch

#### CICD

- Jenkins
- Bitbucket
- Terraform
- Docker
- GraphQL
- Prometheus

### PROFILE

Dynamic and result-oriented Full Stack Developer with over 10+ years of experience in Networking, Video and Healthcare domains, seeking to leverage comprehensive technical skills to drive innovation and efficiency in a forward-thinking organization.

### PROFESSIONAL EXPERIENCE

#### athenahealth

Senior Member of Technical Staff

08/2019 – present

**Project: athena Medical Coding Service (aMC)**

**Tech Stack: Node.js, React.js, Typescript, Javascript, Python**

- **Project Leadership (SCRUM master):** Spearheaded the design and development of the athenahealth Medical Coding Service (aMC), enhancing coder productivity by automating CPT/Code categorization and charge entry processes.

**Outcome:** Increased coder productivity by 30%, significantly reducing processing time and errors.

- **Innovation in Coding Accuracy:** Initiated and successfully implemented an automated code auditing system to enhance coding accuracy across projects.

**Outcome:** Improved coding accuracy by 25% of coders, enhancing compliance and reducing audit time.

- **Workflow Optimization:** Developed the Claim Holds workflow to streamline vendor operations for Holden claims lifecycle management.

**Outcome:** Streamlined claims processing and improved vendor satisfaction.

- **Security Enhancement:** Acted as the security champion, identifying and mitigating numerous security vulnerabilities through comprehensive SAST, DAST, and SCA scans.

#### Ooyala India Pvt. Ltd.

Software Engineer

10/2018 – 07/2019

**Project: Live Video Platform (LVP)**

**Tech Stack: Golang, Gin-Gonic, Angular.js, Cassandra**

- **Cloud Migration:** Played a pivotal role in transitioning the streaming service to AWS EMS, optimizing service delivery.

**Outcome:** Achieved a 20% reduction in operational costs and a 35% improvement in scalability.

- **High Availability Solutions:** Designed and implemented high-availability sub-channel reset functionalities and other critical system enhancements.

**Outcome:** Increased system uptime by 99.9%, enhancing customer experience during peak traffic.

- **Content Distribution:** Developed solutions for playlist channel slate removal, Facebook syndication, and clipping channels, boosting content reach and viewer engagement.



## OTHER SKILLS

### Video Platform

UDP, IP, Multicast (PIM & SIM), RTP, RTMP, HLS, Microsoft-SS, MPEG-DASH, PES, MPEG2-TS, Video Codecs(H.264, H.265), Audio Codecs(AAC, AC3), Encoding & Transcoding, DRM Standards and DVB/ATSC Standards.

### Networking Skills

STP(PVST+), DTP, vLAN(802.1Q), Ethernet II(DIX), IEEE 802.3(LLC, SNAP), Etherchannel(PgAP/LACP), MC-LAG, ARP, ICMP, TCP, DHCP, SSH, TELNET, FTP, SMB, HTTP. Good knowledge in IGP(OSPF), EGP(BGP) Protocols.

### Security

Checkmarx, Whitesource, Netsparker

### Storage

CEPH, RAID1 & RAID5

### Tools

Kafka, Zookeeper, Grafana, Kibana, logstash, Graylog, Sumologic, Datadog, Postman, Launchdarkly, Netgen, Wireshark, DVB Inspector, JIRA, Ngnix, HAProxy, Jmeter, Virtualization(VMware, Hyper-V), Ixia, Spirent, SwiftTest, Camunda BPM, Alfresco (Jetty), Drools

### Nokia R&D

Technical Lead

01/2018 – 10/2018

#### Project: Velocix Origin Application Server (VxOA)

**Tech Stack: Python, Django & Flask**

- **Performance Optimization:** Led the development of Python code blocks for performance tuning and infrastructure enhancements within the Velocix Origin Application Server (VxOA).  
**Outcome:** Enhanced server performance by 25%, reducing downtime and maintenance costs.
- Gained hands-on experience in UDP, IP, and Multicast configurations, significantly enhancing data transmission efficiency.

### HCL Technologies (Cisco)

Software Engineer

08/2014 – 12/2017

#### Project: Wide Area Application Service (WAAS)

**Tech Stack: Python, Django, MySQL**

- **Automation Frameworks:** Developed the Wide Area Application Services (WAAS) library for Python automation frameworks, improving test automation and system reliability.  
**Outcome:** Reduced testing time by 40% and increased system reliability by 30%.
- **Performance Tracking:** Created the Performance Tracker Tool to monitor and optimize TFO, DRE, and LZ operations, ensuring optimal network performance.



## EDUCATION

### BE in Computer Science of Engineering

Meenakshi College of Engineering

08/2010 – 05/2014

CGPA: 7.85