# Ishwarachandra Gowtham

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## SUMMARY

Seasoned Software Engineer with over **19 years of experience** in software development and design. Adept at leading projects that drive innovation and efficiency. Proficient in developing robust applications, microservices, and tools with a focus on improving system performance and reducing operational costs. Seeking a challenging role to leverage expertise in **Python**, **microservices**, and **DevOps** within a dynamic software product development environment.

## TECHNICAL SKILLS

**Platforms:** UNIX, Linux  
**Languages:** Python 3, FastAPI, Flask, SQL, Shell scripting, Java, HTML  
**Databases:** Oracle, PostgreSQL, MemSQL, MySQL  
**Tools:** Git, GitHub, Docker, Kubernetes, Azure, Jira, Confluence, Vim  
**Frameworks:** Agile, Scrum, Kanban

## PROFESSIONAL EXPERIENCE

**EOG Resources (Consultant through FirstLight Consulting), Remote**

*Software Consultant | Nov 2023 – Present*

**Key Achievement:** Developed REST API service layers using **Python**, **FastAPI**, and **Pydantic**, significantly improving data flow between UI and backend systems.  
**Impact:** Enhanced user engagement through the successful implementation of new application features, leading to a marked increase in user productivity.

**Sophos Technologies, Bangalore**

*Senior Software Engineer 2 | May 2022 - Aug 2023*

**Key Achievement:** Reduced **CI/CD** on-boarding time by 30% by designing reusable **GitHub Actions workflows** and a **Python**-based GitHub App for managing runners.  
**Impact:** Streamlined code quality enforcement by developing applications that integrated with BlackDuck and SonarQube APIs, resulting in improved code quality.

**Microsoft Corporation (**through acquisition of **Affirmed Networks), Bangalore**

*Software Engineer 2 | Jul 2019 - Apr 2022*

**Key Achievement:** Led a team to develop **Python**-based microservices and tools, which played a critical role in meeting tight project deadlines.

**Impact:** Automated complex processes using **Python**, reducing manual effort, and increasing efficiency across development and testing teams.

**Sandvine Technologies, Bangalore**

*Senior Software Developer | Nov 2017 - Jul 2019*

**Key Achievement:** Developed a full-stack web application for product performance analytics, incorporating **Python**, **Flask**, InfluxDB, AngularJS, and concepts like metaprogramming, decorators, generators, etc.

**Impact:** Enabled teams to visualize and analyze test data, driving data-informed decision-making and improving product performance.

**Oracle India Development Center, Bangalore**

*Senior Member of Technical Staff | Mar 2015 - Nov 2017*

**Key Achievement:** Enhanced core product modules in **C++** for a high-performance in-memory database, ensuring reliability and high availability.

**Impact:** Improved operational efficiency by automating database replication using **Puppet**, reducing manual intervention.

**Relecura (formerly INDUS TechInnovations), Bangalore**

*Senior Systems Engineer | Dec 2013 - Jul 2014*

**Key Achievement:** Developed **Java** modules for patent data mining and analysis, improving data accuracy and processing speed.

**Impact:** Facilitated faster decision-making by automating the loading of analyzed data into MySQL databases.

**Thomson Reuters, Bangalore**

*Technical Lead | Mar 2008 - Dec 2013*

**Key Achievement:** Re-engineered a legacy 4GL reporting application using **Java** and **Oracle**, reducing runtime from **2-3 days to under an hour**, significantly boosting productivity.

**Impact:** Enhanced revenue reporting accuracy, reducing business risk and improving financial operations.

**Hewlett-Packard India Software Operations, Bangalore**

*Systems Software Engineer | May 2006 - Jan 2008*

**Key Achievement:** Maintained and enhanced FTM and SPI modules in **C++**, ensuring reliable system performance.

**Impact:** Contributed to the successful deployment of fault and trouble management systems across multiple platforms.

**Thomson Financial, Bangalore**

*Software Engineer | Feb 2005 - May 2006*

**Key Achievement:** Developed several securities data feeds (information related to M&A, New Issues, etc.) containing huge datasets using a combination of PL/SQL, Perl and shell scripts for various high profile Investment Banks and Financial firms worldwide.

**Impact:** Enhanced data quality and data delivery experience for the customers.

## EDUCATION

**Bachelor of Engineering, Computer Science**Dayananda Sagar College of Engineering, Bangalore | 2000-2004  
**Diploma in Computer Science and Engineering**K.I.E.T. Polytechnic, Bangalore | 1997-2000

## CERTIFICATIONS & AWARDS

**Microsoft/Affirmed Spot Awards:** Recognized for multiple contributions (Jan 2020 - Nov 2021).  
**Sandvine iPerfRobo Award:** Excellence in PerfRobo framework development (Mar 2019).  
**Oracle Special Recognition Award:** Outstanding technical contributions (Sep 2015).  
**Thomson Reuters Spot Awards:** Significant impact on Global Turnkey Systems (Mar 2009, Aug 2009).