

## MALANI M

### Full Stack PHP Developer

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### PROFESSIONAL SUMMARY

Around 2 years Experienced software developer with expertise in PHP, Perl, and Python, along with strong Linux administration and RDBMS skills. Skilled in API development, Oracle database management, and OCI functions in PHP. Passionate about backend development, database optimization, and system performance enhancement.

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### TECHNICAL SKILLS

- **Programming Languages:** PHP, Perl, Python, JavaScript
  - **Databases:** Oracle, MySQL
  - **API Development:** REST API, SOAP API
  - **Operating Systems:** Linux (Ubuntu), Windows
  - **Scripting:** Bash, Shell Scripting
  - **Web Technologies:** HTML, CSS
  - **Framework:** CodeIgniter, Django, React
  - **Tools:** IDE, Putty, WinSCP, PyCharm, Sublime
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### WORK EXPERIENCE

#### BkSystem Pvt Ltd

#### Associate System Engineer (Software Developer)

 July 2023 – Feb 2025

#### Technical Experience: -

- Developed and maintained backend applications using **PHP, Perl, and Python**.
- Designed and optimized Oracle and MySQL databases, improving query performance.

- Built RESTful APIs for seamless integration with front-end applications and third-party services.
  - Worked with OCI Functions in PHP for enhanced cloud-based solutions.
  - Assisted in the development of web applications using PHP and JavaScript.
  - Worked with senior developers to implement new features and enhancements.
  - Experienced in object-oriented programming (OOP) and functional programming in Python.
  - Developed automation scripts for data processing, system monitoring, and task scheduling.
  - Built and maintained RESTful APIs using PHP for web applications
  - Designed backend services with database interaction using Oracle
  - Database & Data Handling: Worked with My SQL & Oracle.
  - Optimized database queries and implemented indexing for performance tuning
  - In Perl, Proficient in using regular expressions for text processing and pattern matching.
  - Optimized SQL queries and stored procedures to improve database performance.
  - Familiar with Perl strict and warnings to enforce clean coding practices.
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## PROJECT EXPERIENCE

### DCMS (Debit Card Management System)

A central repository for all DCMS-related APIs that banks can use to offer Debit Card services across various channels. This project was developed using **PHP, Python, and Oracle**, ensuring seamless integration, efficient processing, and secure data management.

#### Key Contributions:

- Developed RESTful APIs for banking applications and third-party payment gateway integration.
- Developed and maintained scalable web applications using PHP and MySQL.
- Utilized Oracle Database for secure storage and efficient retrieval of cardholder data and transactions.

- Automated batch processing using OCI Functions.
- Implemented account allocation and deallocation processes using mobile numbers and scheme codes.
- Built and integrated RESTful APIs for seamless third-party communication.
- Optimized SQL queries and database performance for faster page loads.
- Collaborated with UI/UX designers to enhance user experience.

#### **API Development:**

- Designed and developed RESTful APIs using PHP and Python.
- Worked on single-tier, two-tier, and three-tier architectures, including web-app and web-app-database layers in PHP.
- Designed and developed RESTful APIs using PHP and Python, ensuring seamless communication between services.
- Implemented API authentication and authorization mechanisms using OAuth 2.0 for secure access.
- Developed asynchronous processing for API requests to improve performance and reduce latency.
- Integrated APIs with third-party payment gateways and banking services for debit card transactions.

#### **Oracle Database Optimization:**

- Migrated a legacy MySQL system to Oracle, optimizing queries and indexing strategies for enhanced performance.
  - Refactored stored procedures, triggers, and functions to reduce query execution time and improve transaction efficiency.
  - Designed partitioning and indexing strategies to handle large datasets efficiently.
  - Implemented database monitoring and performance tuning using Oracle SQL tuning tools.
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## EDUCATION

Qualification	Institution	Year of Completion	Percentage
Diploma in Computer Engineering (DCE)	IRT Polytechnic College, Chrompet, Chennai	2023	90%
Bachelor of Computer Applications (BCA)	University of Madras, Chennai (Part Time)	Doing	N/A
SSLC (10th Standard)	Govt Girls Higher Secondary School, Kundrathur	2020	58%

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## STRENGTH

- ✔ Self-motivated and goal-oriented
  - ✔ Confident and adaptable
  - ✔ Strong team player with problem-solving skills
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## LANGUAGES KNOWN

- ◆ English
  - ◆ Tamil
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## PERSONAL DETAILS

- **Father's Name:** Manavalan D
- **Mother's Name:** Pachaiyammal M
- **Date of Birth:** 07-May-2004
- **Gender:** Female
- **Nationality:** Indian
- **Address:** 3/243 Bajanaik Kovil Street, Irandam Kattalai, Kundrathur, Chennai – 600128.

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## **DECLARATION**

I hereby declare that the above-mentioned information is correct to the best of my knowledge, and I take full responsibility for its accuracy.

 **(Malani M)**