

Shreedhara Chandra

Expert Principal Consultant

SUMMARY

- 24 years of expertise in full-stack development and enterprise architecture, specializing in Java, SpringBoot, Angular, and microservices.
- Architected high-performance systems including SOLR-based enterprise search
- Proficient in blockchain development with Rust/TypeScript for Solana, building high-frequency trading bots and automation tools.
- Skilled in containerization, Kubernetes orchestration, and CI/CD pipelines with Jenkins and Docker to enhance deployment reliability.
- Experienced in designing scalable cloud-native architectures integrating OAuth2, Keycloak, and advanced middleware for secure authentication and seamless system integration.

TECHNICAL SKILLS

Main Technical Skills	Java (16 yr.), Spring Boot (17 yr.), React (10 yr.), TypeScript (9 yr.), Apache Solr (2 yr.)
Programming Languages	Java (16 yr.), JavaScript (2 yr.), Rust (1 yr.), TypeScript (9 yr.)
JavaScript Frameworks	Angular (1 yr.), jQuery (1 yr.), React (10 yr.)
PHP Frameworks	Laravel
JavaScript Libraries and Tools	React Native (2 yr.)
Java Frameworks	Spring Boot (17 yr.)
Data Analysis and Visualization Technologies	Power BI
Databases & Management Systems / ORM	MongoDB (2 yr.), MySQL (2 yr.), Redis (1 yr.)
UI Frameworks, Libraries, and Browsers	jQuery (1 yr.)
Cloud Platforms, Services & Computing	AWS (1 yr.)
Amazon Web Services	AWS Lambda (1 yr.)
Platforms	1C (8 yr.), Apache Solr (2 yr.)
Deployment, CI/CD & Administration	CI/CD (1 yr.), Jenkins (1 yr.)

QA, Test Automation, Security	Cucumber (8 yr.), JUnit (8 yr.), Mockito (8 yr.)
Virtualization, Containers and Orchestration	Docker (1 yr.), Kubernetes (1 yr.)
SDK / API and Integrations	Keycloak, OAuth
Methodologies, Paradigms and Patterns	microservices (7 yr.), Scrum (2 yr.)
Mail / Network Protocols / Data transfer	WebSockets
Other Technical Skills	Oracle Fusion Middleware (8 yr.), OSB-SOA (8 yr.)

WORK EXPERIENCE

Blockchain Consultant - Freelance (Sniperdash and related blockchain automation projects)

Duration: February 2024 - Present

Summary:

- Architected and developed high-frequency trading bots and real-time analytics systems for blockchain platforms such as Solana
- Developed automation tools and interactive Telegram MiniGames to enhance user engagement and secure token launches

Responsibilities:

- Architected the Sniperdash trading engine with sniper capabilities and rug-check integration.
- Built WebSocket tracking systems for real-time monitoring of blockchain migrations.
- Developed volume simulation bots and bundle executors for secure token launches.
- Created interactive Telegram MiniGames and bots.

Technologies: Rust, TypeScript, WebSocket, Telegram Bot API

Principal Consultant - Infosys Technologies (WATERS and CATTERPILLAR projects)

Duration: March 2023 – February 2024

Summary:

- Led architectural design and development of enterprise search capabilities using Apache SOLR for the WATERS project, enhancing search performance and user experience
- Guided modernization of Java architecture for the CATTERPILLAR system and designed a complete CAT System using SpringBoot and Angular to improve system integration and performance

Responsibilities:

- Led architectural design of Apache SOLR for enterprise search enhancement.



- Guided Java architecture modernization for legacy system integration.
- Designed and developed a full-stack CAT System using SpringBoot and Angular.
- Standardized deployment pipelines using Jenkins and Docker to improve release reliability.
- Engineered microservices solutions with Kubernetes and RESTful APIs for scalable enterprise applications.

Technologies: Java, Apache SOLR, SpringBoot, Angular, Jenkins, Docker, Kubernetes, RESTful APIs

Senior Enterprise Architect - ONPASSIVE (ONPASSIVE Web Analytics and O-Chat platform)

Duration: September 2021 - March 2022

Summary: Led development of a highly efficient Web Analytics System and architectural framework for ONPASSIVE's O-Chat platform, enabling seamless communication and operational efficiency across multiple enterprise applications.

Responsibilities:

- Led development of Web Analytics System using AWS and related technologies.
- Developed architectural framework for O-Chat platform.
- Designed and implemented architectures for multiple enterprise applications including O-Staff, O-Mart, O-Cademy, O-Commerce, O-Net, and O-Mail.
- Integrated cloud-native solutions and microservices to enhance scalability and reliability.

Technologies: AWS, SNOWFLOW, Lambda, CubeJS, REDIS, Microservices

Senior Technical Architect - Pacewisdom Solutions (Keycloak Infrastructure and OAuth2 Integration)

Duration: June 2021 - September 2021

Summary: Designed and implemented a Keycloak infrastructure to support authentication functions and integrated OAuth2 with legacy systems via custom middleware to enable secure single sign-on across multiple applications.

Responsibilities:

- Designed Keycloak infrastructure for consistent authentication component development.
- Integrated OAuth2 with legacy systems through custom middleware.
- Engineered scalable microservices architectures using containerization and orchestration tools.

Technologies: Keycloak, OAuth2, Middleware, Microservices, Containerization, Orchestration

Technical Lead - Zenoptics Ltd (BI and Analytics Integration Frameworks)

Duration: January 2021 - June 2021

Summary: Engineered integration frameworks to enable seamless connectivity between disparate business intelligence and analytics systems, improving data accessibility and platform interoperability for enterprise users.

Responsibilities:

- Developed robust integration frameworks for BI and analytics systems.
- Directed end-to-end web application development aligning cross-functional teams and agile methodologies.



- Delivered secure, scalable solutions enhancing product capabilities and reducing release cycles.

Digital Enterprise Architect - Umlaut (Airbus-Umlaut Design Development and Vodafone Fiji Inventory Management)

Duration: September 2018 - December 2020

Summary:

- Managed design development and Agile/Scrum delivery for Airbus-Umlaut and led a team for Vodafone Fiji Inventory Management system development
- Delivered multiple mobile apps for Covid-19 Employee Contact Tracing for clients including Mercedes Benz and Walmart, and provided architecture inputs and proposals for various domains

Responsibilities:

- Managed Airbus-Umlaut design and Agile delivery.
- Led team for Vodafone Fiji Inventory Management system development.
- Designed and delivered Covid-19 Employee Contact Tracing mobile apps for multiple clients.
- Presented demos to clients and provided architecture inputs and estimations for multiple proposals.
- Handled development of telehealthcare mobile apps and web portals.
- Consolidated digital transformation roadmaps across telecommunications, healthcare, and automation sectors.

Technologies: Mobile app development, Agile/Scrum

Senior Technical Architect - THOUGHTCLAN TECHNOLOGIES (IoT App for Garden Sprinkler Controller and KAO Mobile iOS App)

Duration: March 2018 - June 2018

Summary: Developed and delivered IoT applications for iPhone and Android platforms including a garden sprinkler controller and the KAO Mobile iOS app, enhancing user control and mobile accessibility.

Responsibilities:

- Developed and delivered IoT app for garden sprinkler controller.
- Delivered KAO Mobile iOS app and web portal.

Technologies: iOS, Android, IoT

Development and Delivery Lead - ARROW ELECTRONICS PVT LTD (B2B Statistics Tracker and Coops Accounting)

Duration: January 2017 - February 2018

Summary: Led development and delivery of B2B statistics tracking dashboard and resolved production issues for Coops Accounting, managing workspace development activities and deliverables.

Responsibilities:

- Developed and delivered B2B Statistics Tracker dashboard.
- Resolved production issues for Coops Accounting.
- Managed workspace development activities and deliverables.



Technical Architect - TATA CONSULTANCY SERVICES (Oracle Middleware Fusion and SOA Projects)

Duration: June 2008 - January 2017

Summary: Architected and delivered over 10 projects involving Oracle Middleware Fusion, Oracle Enterprise Service Bus, and SOA web services development, focusing on legacy system modernization and performance tuning.

Responsibilities:

- Developed and delivered Oracle Middleware Fusion and Oracle ESB artifacts from legacy JCAPS systems.
- Developed and deployed SOA web services.
- Implemented behavior-driven development patterns and performance tuning.
- Conducted unit testing using cucumber, Mockito, and JUnit.
- Architected and managed multiple projects from design through delivery.

Technologies: Oracle Middleware Fusion, Oracle ESB, SOA, JCAPS, Cucumber, Mockito, JUnit

Senior Systems Engineer - Wipro Technologies (Network Manager and Alarm Components Integration)

Duration: November 2002 - February 2008

Summary: Involved in requirement gathering, analysis, design, and development of network management systems and integration of alarm components with Servelec's Xtel SCOPE-X product, including data migration and documentation.

Responsibilities:

- Gathered requirements and designed network management systems.
- Developed and integrated alarm components with Servelec's Xtel SCOPE-X.
- Provided complete documentation and knowledge transfer for application support.
- Developed migration scripts and SQLLoader scripts for data transfer.

Technologies: SQLLoader, Scripting, Network Management Systems

EDUCATION

- **Graduate Electronics and Communication Engineering**
S.I.T Tumkur, Tumkur, 7.8 GPA
until 2001

