

# KETAN B. PATIL



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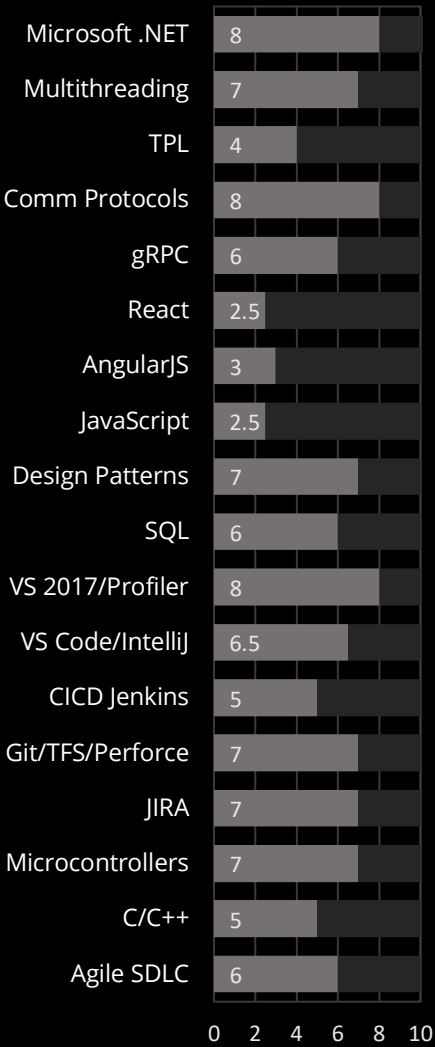
## SOFTWARE ENGINEER

EXPERIENCE 9+ years

### DOMAINS

- Manufacturing
- Oil & Gas
- Trading
- Ship control systems

### SKILLS & TOOLS



## CAREER OBJECTIVE

- To secure a promising position in software engineering that offers both a challenge and a good opportunity for growth.

## BRIEF OVERVIEW

- Currently working with **Rocket Software** as **Senior Software Developer**
- Onsite experience with M/S **Servowatch Systems Ltd. (Maldon, UK)** for development of Battle Damage Control System (**BDCS**) for Navy.
- Extensive expertise facilitating large system software solutions with technology skills
- Vigorous debugging skills
- Highly dedicated and ability to work accurately.
- Like to lead the team and work in team.

## WORK EXPERIENCE

Rocket Software	Senior Software Developer Sept 2019 – Present / Pune (1 year, 8 months)
Projects Details	TruFusion Enterprise; TruCore; TruCentrix Platform for secure and fast file exchange, format conversion and workflow management for manufacturing industries.
Role	UI modernization, CORBA to gRPC, new features, bug fixes and resolution of code security issues, Developed and Integrated Chat-Bot
Technologies	Multi-stream UDT, AngularJS, Angular 2.0, JavaScript, React, Java, SQL Server 2014, PostgreSQL, gRPC, google Protobuf, Azure LUIS - Cognitive Services for NLP, ASP.NET, WebAPIs, Polaris Static code analysis, Jenkins

## EDUCATION

### Bachelor of Engineering

Percentage: 60.66 %  
Information Technology  
University of Mumbai, MH  
(May 2007 - May 2011)

### HSC Science

Percentage: 58.70 %  
MG College, Jalgaon, MH  
(May 2005 - May 2006)

### SSC

Percentage: 72.66 %  
Chopda, Jalgaon, MH  
(May 2003 - May 2004)

## Emerson

### Senior Software Developer

**Nov 2016 – Aug 2019** / Pune (2 years, 9 months)

#### Project Details

OpenEnterprise™ Field Tools  
Windows®-based configuration suite designed to perform RTU, flow computer, HART® device configuration, diagnostics, and maintenance in the field. A software toolkit for technicians and engineers.

#### Role

Designed and developed Setup Wizard to configure complex system (72-meter runs) with minimum user interactions (HCD and UX). Implemented new requirements into existing system, Collaboration with different stakeholders, development and testing teams, feature demonstration.

#### Technologies

Microsoft C# .NET Framework 4.6.2 and 3.5, WPF, SQLC, Polyhedra DBMS, TCP/UDP and Serial Communication.

## 3i-Infotech Ltd

### Senior Software Developer

**April 2015 – Oct 2016** / Mumbai (1 year, 6 months)

#### Project Details

Trade Racer  
Windows®-based online trading application, receives data from live NSE/BSE feeds. Allows traders to buy-sell shares of different type (Equity, Derivatives, Currency).

#### Role

Implemented new requirements like basket order, enhancements on stock-Chart control, upgrades to WPF, MVVM, Integrated controls like Avalon dock manager. Collaboration with business teams, back-end team.

#### Technologies

Microsoft C#.NET Framework 3.5 (WinForms application), Socket Programming (TCP/UDP), WPF-MVVM, Multithreading, MS Access, Click once deployment

## About Me

### Date of Birth

20<sup>th</sup> Jan 1989

### Hobbies

Bike riding, Exploring Space  
Science, Sketching, Swimming

### Father's Name

Mr. Balravi Pundlik Patil

### Languages

English  
Hindi  
Marathi

## Larsen & Toubro

### Software Developer

**Feb 2012 – April 2015** / Mumbai (2 years, 2 months)

### Projects

Degaussing System HMI: P15B (CCU)

Calculates counter magnetic field to demagnetize ship vessel based on geolocation and geomagnetic map.

Winmon: BDCS (Battle Damage Control System)

Highly robust monitoring system to handle and tackle hazardous situation in case of fire/flood on ship vessel.

### Role

#### **Degaussing System HMI – P15B**

Implemented first indigenous degaussing software for Indian Navy by reverse engineering degaussing algorithm. Implemented protocols to communicate with various geo-sensors (GPS, GYRO, NAVBUS and PA) on serial comm, failure detection and modes.

#### **Winmon: BDCS**

Was involved in designing high level architecture for BDCS. Worked on DB Manager, BDCS Tree Structure, UDP Transport, BDCS Entities such as Sprite Control (Movable bitmaps drawn on AutoCAD drawings); Action List; Kill Cards; Alarm monitoring.

### Technologies

MFC, VC++, SQLite, Google Protobuf, Socket Programming (TCP/UDP), MODBUS, Serial communication (RS-232, 485)

### Project

Degaussing System: Coil Driver Unit (CDU) (1 year)

### Details

Coil Driver Unit generates control signals to demagnetize ship hull. Control signals are passed to electric coils connected via amplifiers.

### Role

Implemented drivers to communicate over Ethernet/UDP (via ABCC module) to exchange data over the network.

Implementation of proprietary application protocol between CDU and (ULTRA software)

Implemented PID modules, Configured ADCs, Event Managers, XINTFs, Serial Interfaces, External Interrupts XINTs and GPIOs.

### Technologies

Embedded C, TMS320F2812 Micro-controller, Socket Programming (EtherNet/UDP), Any-Bus Compact Communication module (ABCC), CCS 3.1, SD-Config, SD-Flash Utility, PP510 Emulator.

## Declaration

I confirm that the above-mentioned information is true to the best of my knowledge and belief.

Date:

Place: Pune, MH

Signature

Ketan Balravi Patil