

# Sanjay Nath Rathore

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## CAREER SUMMARY

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Sanjay has worked on multibillion dollar international Oil & Gas projects alongside international teams with a single objective to drill and analyze soil. His work has extended across multimillion dollar civil infrastructure projects with capabilities extending to road, rail and storm water developments.

## EDUCATION

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<b>CFA INSTITUTE</b>	<b>ONLINE</b>
<i>Investment Foundations Program</i>	<i>In Progress</i>
<b>PROJECT MANAGEMENT INSTITUTE (PMI)</b>	<b>ONLINE</b>
<i>Certified Associate in Project Management (CAPM)</i>	<i>In Progress</i>
<b>QUEENSLAND UNIVERSITY OF TECHNOLOGY</b>	<b>BRISBANE, QLD</b>
<i>Graduate Certificate in Business (Professional Accounting)</i>	<i>2019</i>
<i>Bachelor of Engineering (Civil)</i>	<i>2013</i>
<b>LINKEDIN</b>	<b>ONLINE</b>
<i>AutoCAD Civil 3d: Intersecting New Roads with Existing Roads</i>	<i>2019</i>
<i>AutoCAD Civil 3d: Topographic And Boundary Survey</i>	<i>2019</i>
<b>12d SOLUTIONS</b>	<b>BRISBANE, QLD</b>
<i>Certificate in 12d Model Two Day Civil Design</i>	<i>2009</i>
<i>Certificate in One Day Introductory Civil Design</i>	<i>2008</i>
<b>PADUA COLLEGE</b>	<b>BRISBANE, QLD</b>
<i>Year 12</i>	<i>2006</i>

## ACCREDITATIONS

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*Construction Safety Induction (White Card).*

## DESIGN PACKAGES

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*AutoCAD, AutoTURN, 12d, Civil 3d and Revit.*

## EXPERIENCE

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<b>CARDNO</b>	<b>SYDNEY, NSW &amp; BRISBANE, QLD</b>
<b>GRADUATE CIVIL ENGINEER</b>	<i>NOV 2015 – FEB 2017</i>
<i>Required to present project schedules through microsoft project, juggled multiple projects on tight deadlines, managed project budgets and take on work load of other supervisors.</i>	
<ul style="list-style-type: none"><li>• Proven ability to design pavements, roads, roundabouts, intersections, stormwater, carparks and public facilities with 12d and AutoCAD.</li><li>• Strong ability to schedule and monitor design projects with MS Project and Excel.</li><li>• Proven ability to design by hand calculations with the use of longitudinal and cross section data for 80 to 100% level design if required.</li></ul>	

- Proven ability to work with clients and contractors on a fee proposal for civil design and construct packages.
- Respond to road safety audits and give advice to clients or to other departments with regards to road geometry and standards.
- Experience with RMS, Austroads, City of Sydney guidelines, NSW Transport guidelines and Australian Standards.

## Projects

### *Roads and Public Transport*

- The Scentre Group - Access road, roundabout and stormwater designs for construction.
- Anglican Retirement Villages - Traffic and carpark design study.
- Urban Growth NSW - Delhi Rd widening concept design.
- Transport for NSW - Sydney Metro permanent and temporary transport concept study.
- Transport for NSW - Sydney Light Rail 12d utility analysis.
- Columbia Lane Homebush Project - Parramatta Rd (Great Western Hwy), George St, Columbia Ln & Nipper St pavement and pedestrian ramp design & drafting amendments.
- Alpha ENA - Wollongong Rd & Martin Ave widening and footpath adjustment.
- Canterbury Council - Road widening and pavement detailed design.
- Penrith City Council - Assisted with a road deviation proposal.
- Penrith City Council - Assisted with the Prospect Creek rehabilitation proposal.
- Mosman City Council - Military Rd raised threshold proposal.
- Mosman City Council - Raglan St and The Esplanade raised threshold design and drafting.
- Transport for NSW - Hornsby railway station pavement and ramp design and drafting.

### PHAIDON INTERNATIONAL

### SINGAPORE

#### **RECRUITMENT CONSULTANT**

JAN 2015 – MAR 2015

- Interviewed applicants and matched them with vacancies at client companies.
- Screened and shortlisted applicants for clients to interview.
- Organised interviews and selection events.
- Helped applicants to prepare for interviews.
- Assisted with stakeholder interactions.

### FUGRO

### SINGAPORE

#### **PROJECT ENGINEER**

MAR 2014 – JAN 2015

*Responsible for the decisions and quality of Open-hole Rotary Drilling/Sampling at 1.3km measured water depth. Apart of a team that implemented a rotational seabed frame which was the first of its kind at 1km measured water depth.*

*Responsible for the quality, document control and billable hours for several geotechnical analysis reports and their associated laboratory tests within schedule. I have gained a strong understanding of geotechnical engineering analysis, design, and construction from this experience.*

- Completed soil investigations and geotechnical factual reports for oil rig jack-up platform construction.

- Coordinated open-hole rotary drilling, sampling and cone penetration test operations with international teams.
- Responsible for the quality of technical analysis performed by others.
- Assisted with borehole sample testing and maintained quality control.
- Performed offshore laboratory risk assessments and mobilised for offshore projects.
- Responsible for assigning laboratory tests and collation of soil strength data models.
- Used ASTM and BS 1377 geotechnical standards.

### Projects

#### *Offshore Geotechnical Research - 12 hour rotation*

- Chevron Thailand Engineering Project - First soil investigation in the Gulf of Thailand.
- Chevron Thailand Engineering Project - Second soil investigation in the Gulf of Thailand.
- PTT Exploration & Production Project - Soil investigation in the Andaman Sea.
- Chevron Gorgon Gas Project - First soil investigation in the Indian Ocean.
- Chevron Gorgon Gas Project - Second soil investigation in the Indian Ocean.

PARSONS BRINCKERHOFF

**BRISBANE, QLD**

**STUDENT CIVIL ENGINEER**

**JUL 2007 – MAR 2013**

*Responsible for the quality and billable hours of drafting and associated tasks. Juggled multiple tasks on tight deadlines while managing work and university commitments.*

- Feasibility level design & drafted earth dams, drainage, and culverts under time constraints.
- Designed detailed road line marking and signage in accordance with MUTCD.
- Analysed existing site conditions through desktop studies with the use of site survey.
- Assisted in the development of p&id diagrams and subsequent pipeline details that are associated with water and wastewater management data.
- Assisted in the prompt resolution of RFI tasks.
- Used Austroads, DTMR, Queensland Urban Drainage Manual, Brisbane City Council guidelines and Australian Standards.

### Projects

#### *Mining and Solar*

- Project Harvest EPC Bid - Bill of Quantities for roads, stormwater and bulk earthworks.
- Cloncurry Loadout Facility - Drafted stormwater, pavement and bulk earthworks designs.
- Kiwirrkurra Evaporation Pond Feasibility Study - Design & drafted plans.
- Rolleston Coal Mine - Drafted accommodation village staging plans, MIA as-built designs and maintained a drawing control.
- Blackwater Creek Diversion - Drafted plans and maintained a drawing control.
- Tampakan Prefeasibility Study - Drafted civil plans and maintained a drawing control.
- Mangoola Project - Drafted Mine Industrial Area services plans.
- Wandon Coal Project - Drafted accommodation village staging plans and designed a preliminary road.
- Alpha Coal Feasibility Study - Design and drafted plans for a road.

### *Civil, Urban and Defence*

- Airport link - Drafted civil plans and coordinated outputs with design teams.
- Dalton and Tarrone Gas Turbine Power Plants - Drafted earthworks, road and stormwater plans.
- Mackay City Council works depot and administration centre - Drafted plans for stormwater drainage, sewerage and water reticulation.
- South East Queensland High Occupancy Vehicle Study - Drafted road intersection designs.
- Defence Projects - Drafted plans, long sections and cross sections.
- Bundamba Advanced Water Treatment Plant - Drafted stormwater drainage, sewerage and water reticulation plans.