**CURRICULUM VITAE**

**MR. ISSAC SOMU**

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Port Moresby,

National Capital District

Papua New Guinea

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**Work Experience**

**Company: SBS Electrical Limited**

**Position: Contracts Electrical Engineer**

**Duration: 2013 – Present**

**Location: Port Moresby, National Capital District**

**Main Duties:**

* **Contracts Documentation - Electrical**
* Carrying out contract documentation tasks, which involve quantity surveying/estimation and project costing for tender purposes based for domestic and industrial electrical installations.

Working closely with services engineers (Fire and Comms) and Senior Project Manager, all multi-nationals, in project planning according to defined scope of works in electrical, fire and communication disciplines.

* Liaising with overseas suppliers for materials and equipments to be used in projects.
* For ongoing projects:
* Identifying variations to designs based on reviewed drawings and coming up with associated costing.
* Coming up with monthly Progress Claims for projects, based on progress reports by divisional managers (ie: electrical, fire and comms)
* **Electrical System Design (LV)**
* Low Voltage Electrical System Design
* Identifying power requirements
* Designing lighting system and controls
* Load calculations – maximum demand
* Mains/submains cables sizing
* Identifying critical points in the system and doing short-circuit calculations on each, that is; service entrance, switchboards, load centres, transfer switches, motor control centres)

Based on short circuit analysis, identify main circuit breaker sizes, and breaking capacities/interrupting rating for protection devices for each critical point in the system for a safe and reliable electrical system.

* Standby Generator sizing.
* Transformer sizing.
* Designing low voltage electrical system and writing up scope of works for minor projects and service jobs when needed.
* Working as part of the multi-cultural Projects Management Team in managing and carrying out the company’s ongoing projects on a daily basis.

**Company: Digicel PNG Limited**

**Position: Field Engineer**

**Duration: 2010 – 2011**

**Location: Mendi, Southern Highlands Province**

* My main responsibility as a Field Engineer in Southern Highlands Province was to manage all Digicel sites in the region. This includes performing operation and preventive maintenance duties at all sites to make sure all power equipments, control equipments, generators, radio base equipments, and signal transmission equipments are in good state and operational ensuring the availability of Digicel network at all times.
* Attend to urgent situations in sites when there are network interruptions to solve technical issues affecting the site on a 24 Hours on-call basis.

**Company: Eltech Engineering Services Limited**

**Position: Trainee Electrical Engineer**

**Duration: 2009 – 2010**

* **Major Project – Vision City Megamall**
* My main task as a Trainee Electrical Engineer was to assist the Project Manager and Project Engineer in working as a site engineer to carry out daily supervisory roles for apprentices and trade assistances.
* Identifying cabling routes for mains/submains, and supervised in cable management installations and cabling installations based on designs.
* Supervised in switchboards installations based on drawings, this includes main switchboard and sub distribution switchboards.
* Supervised in submains/mains cables terminations to electrical switchboards, lifts and mechanical switchboards.
* Supervised in the wiring and termination of all lighting and power points.
* My other duty involved working as a Site Storeman, looking after all materials on site. I was responsible to make sure that all materials or tools that are to be used in the project everyday are ready and on site, ensuring the smooth flow of the project until completion.

**Other Skills**

* Familiar with design software AutoCAD in drafting engineering designs
* MS Office Applications ( Word, Excel, PowerPoint)

**Education Background**

2005 – 2008 P. N. G University of Technology Lae, Morobe Prov

 ***Bachelor of Engineering in Electrical (Power) Engineering***

2003 – 2004 Mt Hagen Secondary School Mt Hagen, WHP

 ***Higher School Certificate (Grade 12)***

1999 – 2000 Mogol Secondary School Mendi, SHP

 ***High School Certificate (Grade 10)***

1997 – 1998 Mt Hagen High School Mt Hagen, WHP

 ***Higher Primary School Certificate (Grade 8)***

1991 – 1996 Mt Hagen Tarangau Primary School Mt Hagen, WHP

 ***Primary School Certificate (Grade 6)***

**Personal Details**

**Date of Birth:** 6th May 1984

**Marital Status:** Married

**Home District:** Erave

**Home Province:** Southern Highlands Province

**Religion:** Christian

**Nationality:** Papua New Guinean

* Possess Class 3 PNG driver’s license.